

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# *Autumn 1920 Catalog*

## Bulbs, Roses, Plants FRUIT SHADE and ORNAMENTAL TREES



DUTCH BULBS

Narcissi, Tulips  
Hyacinths, Crocus, etc.  
Direct from our Holland Grower



# Bulb Planting Tables

## Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths

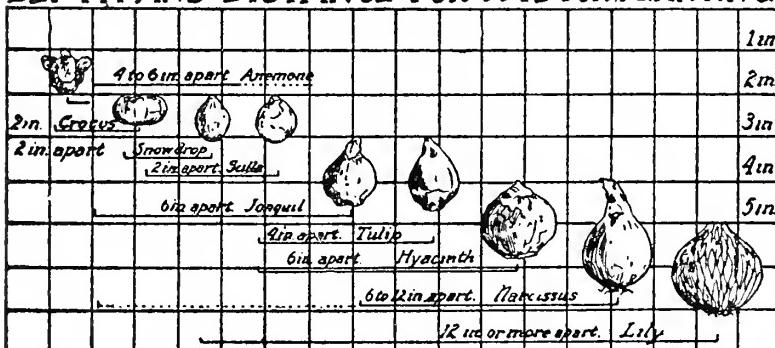
Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

Diameter of Bed	Total Number of Bulbs Required		Number of Bulbs Required for Two Outer Circles Only	
	Tulips	Hyacinths	Tulips	Hyacinths
3 feet.....	64.....	36.....	50.....	31.....
4 feet.....	113.....	50.....	68.....	45.....
5 feet.....	177.....	80.....	87.....	57.....
6 feet.....	254.....	120.....	104.....	69.....
7 feet.....	346.....	160.....	122.....	82.....
8 feet.....	452.....	210.....	140.....	95.....
9 feet.....	573.....	270.....	160.....	110.....
10 feet.....	707.....	330.....	180.....	120.....

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.

## DEPTH AND DISTANCE FOR OUTDOOR PLANTING



## "Diamond" Fancy Lawn Mixture

GROWING tests have proved our "Diamond Quality" Lawn Grass to give satisfactory and permanent results, being specially prepared for our Western soils and climate, and will produce an evergreen velvety turf

Price, per lb., postpaid, 45c; freight or express, not prepaid, per lb., 35c.

Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

## Suggestions for Tulip Beds

No. 1—Circular Bed of Vermilion Brilliant with edging of two rows of Chrysolora, yellow.

No. 2—Round Bed in four sections, first quarter Cottage Maid, pink; second, Chrysolora, yellow; third, Artus, scarlet; fourth La Reine, white. This arrangement is effective with two colors, red and white being best.

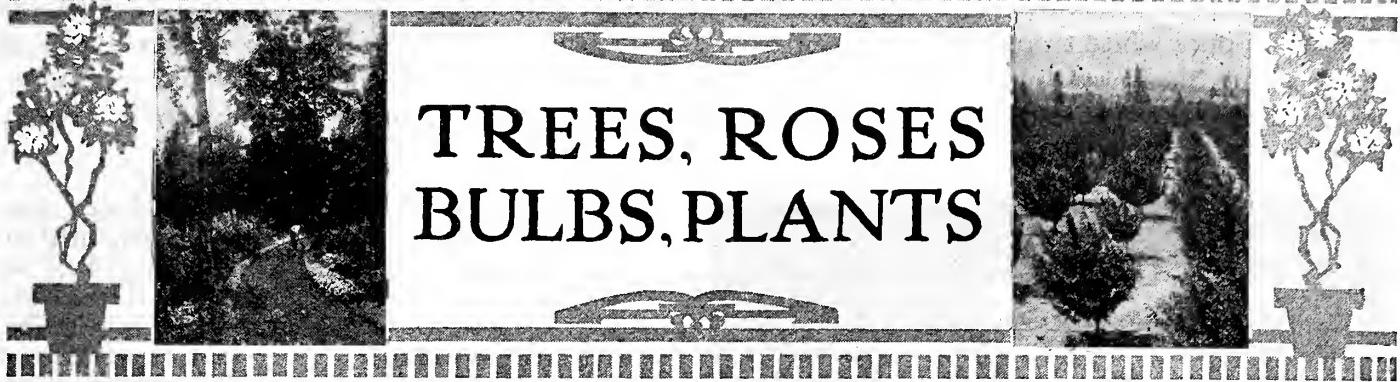
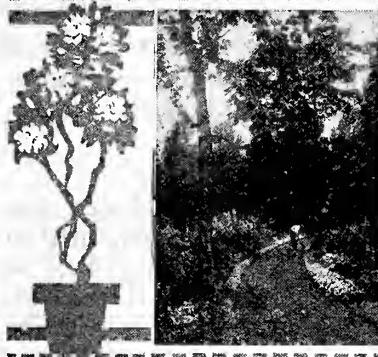
No. 3—A Circular Bed of pleasing variety is made with Kaiserskroon scarlet edged gold, in center, Belle Alliance scarlet, next, then La Reine white, and on the outside rows Chrysolora yellow.

Solid Beds of Murillo, early double light pink, Rose Griselin, early single, delicate pink, Couleur Cardinal, bronze scarlet and Pink Beauty, a lovely flower, the finest pink, are very attractive and give a display that cannot be excelled by any combination of colors.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

**F**LORISTS, GARDENERS AND LARGE BUYERS OF BULBS, should submit their lists for special prices on the number of bulbs they use. We can save you money and our "Diamond Quality" Bulbs will give you satisfaction.

# AUTUMN CATALOG



FALL 1920 - SPRING 1921

*FLOWERS, SHRUBS, and TREES, and a well kept lawn add greatly to the value and beauty of your home, and time devoted to their care should prove a helpful and fascinating diversion, as well as a very profitable one.*

**HOLLAND BULBS**—*Hyacinths, Tulips, Narcissi, are offered in the most popular varieties and of the finest quality, but foreign importations have been so restricted that there will be a shortage and higher prices on some classes of Bulbs and Ornamental Shrubs and Plants.*

**OUR OREGON GROWN** Tree Roses, Shrubs and Plants are unexcelled, growing to their greatest perfection in our favorable climate—and always pass careful inspection before delivery.

**BERRY PLANTS AND BUSH FRUITS** of all kinds and Asparagus and Rhubarb roots—once planted—thrive and produce abundantly year after year with very little attention and should be in every home garden.

**HARDY PERENNIAL PLANTS.** We can supply fine plants and clumps that will bloom freely the first season and can furnish suitable varieties for groupings and color effects that are pleasing and permanent, making a splendid garden display and giving lovely cut flowers throughout the year.

**FALL PLANTING** gives splendid results west of the Cascades and Bulbs, Evergreens, Paeonies and other special items should be planted in the Fall in any section. Tell us your plans. Our suggestions may prove helpful in making your selections and in securing the best results at the least expense. This special service is without cost or obligation.

## IMPORTANT—PLEASE READ CAREFULLY

**WHEN TO ORDER**—We issue this Catalog in September, but your order placed at any time will go forward in season, as follows:

**FLOWERING BULBS**—Begin to arrive in August, deliveries being complete by December 1st, except Cannas, Dahlias, Gladioli, etc., which are not ready until after February 1st.

**ROSES**—Our large two-year old field grown roses are ready for delivery from November until May, one-year old mailing size from January to August. The earlier you set them the better they will grow.

**PALMS, POT AND HOUSE PLANTS**—Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

**Order Early**—it helps us to please you.

**FRUIT, SHADE AND ORNAMENTAL TREES AND SHRUBS**—We ship these from November until May and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

**COMPLAINTS OR PRAISES**—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

**WE NEVER SUBSTITUTE** without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

## MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices to points in the United States. Alaska, Canadian and foreign postage extra. All other items F. O. B. Nursery unless otherwise stated.

**WE CANNOT SEND PERISHABLE GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.**  
SEND MONEY by postoffice or express money order, bank draft or registered letter.  
**NO GOODS CHARGED UNLESS YOUR CREDIT IS ESTABLISHED WITH US.**

**HOW DO YOU WANT YOUR ORDER SHIPPED?** Your order will be shipped any way you wish—by express, parcel post or freight. If you are in doubt about the best way to have your order sent, leave it to us. We will ship it in the most economical way.

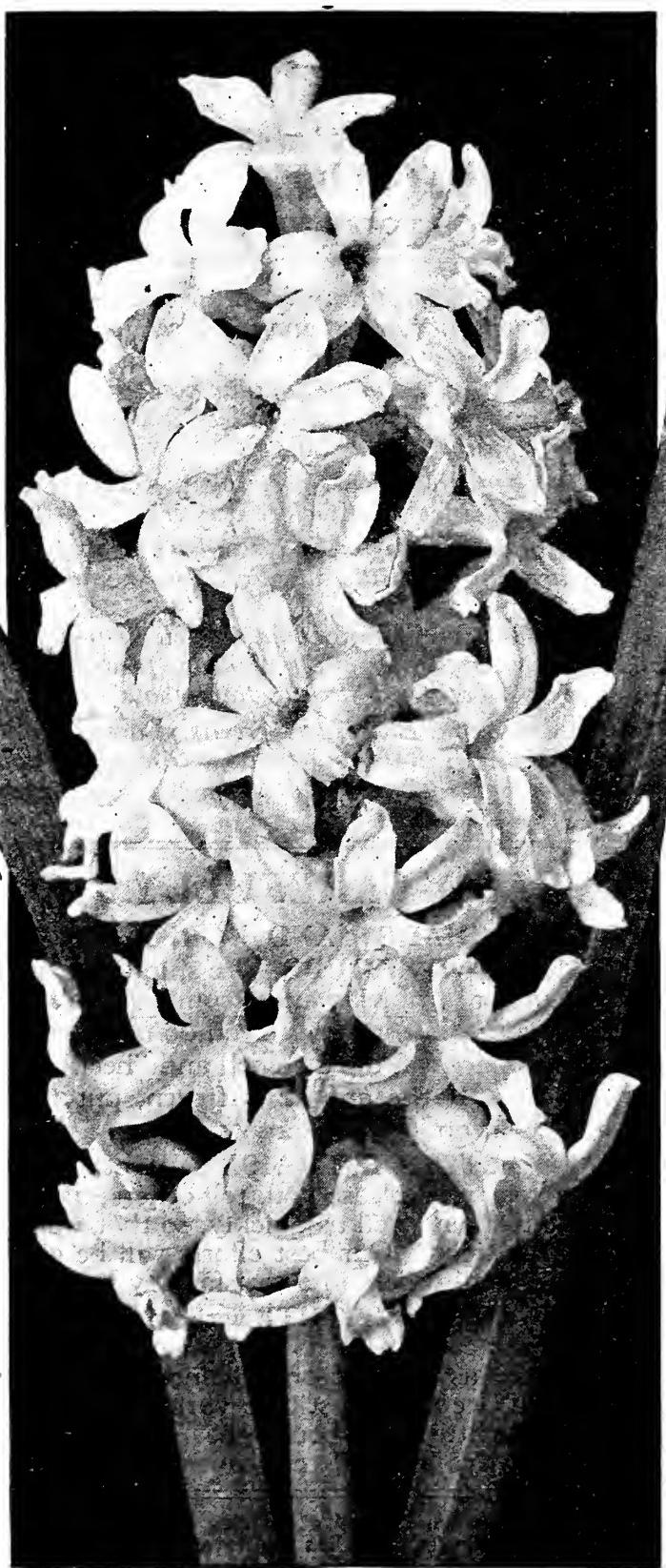
We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

SPOKANE SEED COMPANY

**THIS CATALOG IS ISSUED BEFORE PRICES ARE ESTABLISHED, THEREFORE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. IF LOWER, YOU WILL BE PROTECTED.**

## HYACINTHS

**O**UR named Hyacinths have massive spikes of bloom of the most delicate and beautiful shades from pure white through blush to pink, rose and deepest red, from dainty porcelain shades of blue to blue black and from cream to yellow, apricot and orange. Their dainty wax-like flowers, rare fragrance and easy culture endear them to every grower and they can be had in bloom from early winter to late spring.



SINGLE HYACINTH

**When ordering Hyacinths for bedding refer to the table inside of front cover for number of bulbs required.**

The assorted bedding Hyacinths we offer are fine large bulbs that will produce splendid spikes of bloom in the best colors. They are very low in price and much superior to the mixed bedding Hyacinths commonly sold and which are generally so variable in their shades of color as to spoil the general effect of the planting.

**OUR "XX" GRADE**—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

**OUR "X" GRADE**—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

**OUTDOOR CULTURE**—The preferable season is October, November and December, but bulbs give good results, if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, top and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

**INDOOR CULTURE IN POTS**—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

**CULTURE IN GLASSES**—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

## HYACINTHS—EARLY SINGLE

**PRICES** except XX Grade.....Each 20c; Doz.....\$2.00 Postpaid  
 where noted X Grade.....Each 15c; Doz.....1.75 Postpaid

State varieties preferred. Special prices by the hundred.

### Single Red and Pink

**GENERAL PELISSIER**—Brilliant carmine, compact spike; an early forcer.

**GERTRUDE**—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

**GIGANTEA**—Fine blush pink; giant spikes.

**KING OF BELGIUM**—Fine deep scarlet; compact truss. Excellent bedder.

**LADY DERBY**—(New)—Lovely light rose pink, large spike.

**LA VICTOIRE**—(New)—Brilliant carmine red, forces early, extra fine.

**MORENO**—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.

**NIMROD**—Bright pink. One of the earliest forcing varieties.

**QUEEN OF PINKS**—Large compact flower, bright pink. An exhibition variety.

### Single Yellow

**BALL OF GOLD**—Large compact spike, golden yellow, best of its color.

**IDA**—Pure yellow, early forcer, fine large spike.

**KING OF YELLOWS**—Bright golden yellow, grand spikes, a superior bedding variety.

**YELLOW HAMMER**—Golden yellow, extra fine flower, forces easily; exhibition variety.

### Single Blue

**GRAND LILAS**—Extra fine porcelain blue, grand large spikes and bells; forces easily.

**KING OF BLUES**—Deep glossy blue, large compact spikes. The finest dark blue.

**ENCHANTRESS**—Clear pale blue; one of the finest exhibition varieties.

**LORD DERBY**—Pearl blue, very large handsome spike, good for glass.

**QUEEN OF THE BLUES**—A beautiful light blue with silvery sheen; a large, handsome flower.

### Single Pure White

**ARENTINE ARENDSE**—Grand, pure waxy white flower, with large spike and bells.

**BRITISH QUEEN**—Pure white, very fine for early forcing, large compact spikes.

**BARONESS VAN THUIL**—Large, pure white, compact spikes, early, grows well in glasses.

**LA GRANDESSE**—Extra fine snow white, large spikes, a grand exhibition variety.

**L'INNOCENCE**—One of the earliest; pure white; fine for forcing.

**MADAM VAN DER HOOP**—Pure white. Fine for general planting; erect habit.

**MR. PLIMSOLL**—Extra fine, blush white, large flower and bells.

## Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs. Price, each 20c; dozen \$2.00

### Double Red

**BOUQUET ROYAL**—Salmon pink, red center.

**NOBLE PAR MERITE**—Deep red, fine large spike; early; fine forcer.

### Double White

**LA TOUR D'AUVERGNE**—Earliest pure white

**ISABELLA**—Fine blush white; grand spike.

### Double Blue

**GARRICK**—Deep azure blue, very large spike.

**VAN SPEYK**—Beautiful shade of lilac, large compact truss.

### Double White

**LA GRANDESSE**—Magnificent pure white, sport of the single La Grandesse.

## DIAMOND QUALITY BEDDING HYACINTHS DISTINCT COLORS

A superior grade of selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing.

**SINGLE**—Pink, Red, Pure White, Blush White, Yellow, Dark and Light Blue. Each 15c; doz. \$1.50. Per 100 \$10.00.

**DOUBLE**—Pink, Red, White, Pure White, Yellow, Dark and Light Blue. Each 15c; doz. \$1.50. Per 100 \$10.00.

## DIAMOND QUALITY BEDDING HYACINTHS ASSORTED COLORS

### Mixed Straight Colors

**SINGLE**—Pink, Red, Pure White, Blush White, Yellow, Dark and Light Blue. Each 15c; 2 for 25c; doz. \$1.25; 100 \$8.50.

**DOUBLE**—Pink, Red, White, Pure White, Yellow, Dark and Light Blue. Each 15c, 2 for 25c; doz. \$1.25. Per 100 \$8.50.

 Bulbs prepaid in U. S. only. Postage to Canada, Alaska and outside points extra

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

# TULIPS

## Extra Select Large Solid Bulbs

**W**HETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection and no bulb makes such a gorgeous display of blossoms with so little cultivation.

**CULTURE**—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

**Outdoors**—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done six months before planting.

### Single Early Scarlet Tulips

**ARTUS, B 7**—Deep, brilliant scarlet, fine for forcing or bedding. Each 10c; doz. 90c; 100 \$6.00

**BELLE ALLIANCE, B 7**—Brilliant scarlet, sweet scented, excellent for forcing and bedding. Each 10c; doz. \$1.00; 100 \$7.00

**CRIMSON KING, B 7**—Bright crimson or scarlet, easily forced. Each 9c; doz. 95c; 100 \$6.00

**PRINCE OF AUSTRIA, B 12**—Bright orange vermillion, sweet-scented flower, fine forcer and bedder. Each 10c; doz. \$1.00; 100 \$7.00

**VERMILION BRILLIANT, B 8**—A beautiful flower, forces easily and early; one of the largest and finest scarlets. Each 10c; doz. \$1.10; 100 \$8.00

**CRAMOISE BRILLIANT, B 10 (Sparkler)**—Bright vermillion, large flowers of great substance, fine forcer. Each 10c; doz. \$1.00; 100 \$7.00

**POTTEBAKKER, A 8**—Bright scarlet; large fine flower, good for forcing or bedding. Each 9c; doz. \$1.00; 100 \$6.50

**COULEUR CARDINAL, B 10**—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine. Each 10c; doz. \$1.10; 100 \$8.00

### Single Early Violet

**VAN DER NEER, A 10**—Large violet purple, fine form, early. Ea 15c; doz. \$1.50; 100 \$11.00

**WOUVERMAN, B 8**—Purple violet, large flowers; fine for out-door planting. Each 10c; doz. \$1.00; 100 \$7.50



### Single White

**ALBION, B 10—(White Hawk)**—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance. Each 10c; doz. \$1.10; 100 \$8.00

**JOOST VAN VONDEL — (White) — B 9 —** Finest and most handsome pure white Tulip, extra large. Each 10c; doz. \$110; 100 \$8.00

**LA REINE, B 8**—Pure white; best white Tulip for forcing and bedding. Each 9c; doz. 90c; 100 \$6.00

**MAXIMA—(Rose Hawk)**—Large white flower for forcing. Each 10c; doz. 1.10; 100 \$8.00

### SUGGESTIONS FOR TULIP BEDS. INSIDE FRONT COVER

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## SINGLE EARLY TULIPS—Continued

### Single Yellow

**CHRYSOLORA**, A 9—Pure golden yellow, large and fine; excellent for bedding.  
Each 9c; doz. \$1.00; 100 \$6.00

**GOLD FINCH**, B 9—Golden yellow, sweet scented; forces easily and early; a good bedding sort. Each 9c; doz. \$1.00; 100 \$6.25

**THOMAS MORUS**, A 12—Apricot orange. The finest forcing Tulip of its color, very early. Each 9c; doz. \$1.00; 100 \$6.25

**PRIMROSE QUEEN**, B 10—Rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.

Each 9c; doz. \$1.00; 100 \$6.50

**YELLOW PRINCE**, B 9—Sweet scented; one of the very best for forcing; a fine yellow.

Each 9c; doz. 95; 100 \$6.00

### Single Variegated Tulips

**COTTAGE MAID**, B 9—White bordered with pink, extra fine. Each 8c; doz. 80c; 100 \$5.75

**DUCHESS DE PARMA**, C 10—Terra Cotta with yellow edge, good bedding variety.

Each 8c; doz. 90c; 100 \$5.75

### Single Pink

**PINK BEAUTY**, B 11—Bright rose pink shading to blush near yellow center. Has no equal in its class. Each 13c; doz. \$1.40; 100 \$10.00

**PROSERPINE**, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding Tulip.

Each 14c; doz. \$1.50; 100 \$11.00

**ROSE LUISANTE**, B 9—Deep pink, extra fine bedder; forces well.

Each 10c; doz. \$1.10; 100 \$8.00

**ROSE GRISDELIN**, B 7—Beautiful delicate pink. Each 9c; doz. \$1.00; 100 \$6.00

### Fine Single Mixed

All colors and shades; fine for bedding.

Each 8c; doz. 75c; 100 \$4.75

### Early Double Tulips

**T**HE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

**BOULE DE NEIGE (Purity)**. A—Pure white large paeony-like flower.

Each 9c; doz. \$1.00; 100 \$6.75

**COURONNE D'OR**, B 8—The best double yellow for forcing.

Each 10c; doz. \$1.00; 100 \$7.75

**MURILLO**, B 8—Decidedly the best double pink Tulip for forcing or bedding; flowers large and full. Each 9c; doz. \$1.00; 100 \$6.75

**RUBRA MAXIMA**, B 9—Bright crimson scarlet; splendid for bedding; cannot be forced, flowers large. Each 9c; doz. \$1.00; 100 \$7.00

**SALVATOR ROSA**, A 7—Beautiful deep rose, flamed with white; fine for forcing.

Each 10c; doz. \$1.10; 100 \$8.00

**TITIAN**—Scarlet, edged yellow. Height, 12 inches. Each 10c; doz. \$1.10; 100 \$8.00

**TOURNESOILL**, A 9—Bright red, with yellow edge, sweet scented, large flower. Easily forced. Each 10c; doz. \$1.10; 100 \$7.50

**VUURBAAK**, B 14—Bright scarlet, flushed orange; very attractive.

Each 12c; doz. \$1.25; 100 \$9.50

**LA CANDEUR**—White, for bedding only. Each 9c; doz. \$1.00; 100 \$6.75



Double Tulip, Murillo

**EARLY DOUBLE MIXED**—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

Each 8c; doz. 75c; 100 \$5.25

Type of  
May-  
Flowering  
Tulips

Gesneriana  
Spathulata



moles trouble  
your tulips sink  
one-inch mesh  
poultry netting  
two feet wide in  
the ground around  
your Bulb Beds  
so the top is about  
level with the  
surface.

ELLEN  
WILMOT—  
Lemon yellow.

Each 8c; doz. 80c;  
100 \$6.00.

WHITE SWAN — A lovely egg-shaped pure white flower on long stems; extra fine cut flower.  
Each 8c; doz. 85c; 100 \$6.25

## PARROT TULIPS

Parrot Tulips have immense flowers of brilliant and varied colors, with petals curiously fringed or cut. They are very showy and should be grown in every flower garden.

ADMIRAL DE CONSTANTINOPLE—Orange red, good size.

CRAMOISE BRILLIANT—Beautiful carmine red, large flowers; very fine.

LUTEA MAJOR—Golden yellow, extra fine large flowers.

MARKGRAAF—Inside rich orange, outside scarlet and yellow, feathered, extra fine.

PERFECTA—Yellow, scarlet feathered.

**Prices:** NAMED VARIETIES—Each 8c; dozen 80c; 100 \$5.50  
FINE MIXED—A full assortment of colors. Each 6c; doz. 70c; 100 \$4.75

Bulbs prepaid in U. S. only—Postage to Canada, Alaska and outside points extra.

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## SINGLE TULIPS

### MAY FLOWERING

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the foreground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

**BOUTON D'OR**—The only late pure deep golden yellow.  
Each 8c; doz. 80c; 100 \$5.50

**CALEDONIA**—Bright orange scarlet. Fine for outdoor cutting.  
Each 8c; doz. 80c; 100 \$6.00

**FAIRY QUEEN**—Rosy heliotrope, broadly margined yellow; inside petals brownish red. Ea 9c; doz. 95c; 100 \$6.25

**GESNERIANA SPATHULATA**—Blooms large; color rich crimson with dark center. Ea. 9c; doz. 95c; 100 \$6.25

**GESNERIANA LUTEA**—Deep yellow, fine large flower.  
Each 9c; doz. 90c; 100 \$6.00

**ISABELLA**—(Shandon Bells)—Cream turning to carmine, large.  
Each 9c; doz. 65c; 100 \$5.50

**INGLEScombe PINK**—Salmon pink with blue base; one of the finest of the large May flowering Tulips.  
Each 8c; doz. 85c; 100 \$5.50

**INGLEScombe SCARLET**—Same form as the pink type. Color a rich scarlet black base.  
Each 9c; doz. 85c; 100 \$5.50

**INGLEScombe YELLOW**—A large fine yellow of perfect form; may be used for yellow Darwin.  
Each 9c; doz. 90c; 100 \$5.50

**LA MERVEILLE**—A large bright scarlet, suffused apricot orange; graceful long pointed petals.  
Each 9c; doz. 85c; 100 \$5.50

**MRS. MOON**—Large orange yellow. The best of its color.  
Each 10c; doz. \$1.10; 100 \$7.25

**PICOTEE**—White with a pink border; fine for cutting.  
Each 8c; doz. 80c; 100 \$6.25



## GIANT DARWIN TULIPS

DARWINS are rapidly becoming the most popular Tulip for outside planting. They flower in May, are of giant size and have a majestic beauty distinctively their own that is invaluable for garden and landscape effects. They come in the most varied and brilliant colorings, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the foreground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location.

**BRONZE QUEEN**—Extra large, light bronze yellow.  
Each 10c; doz. 90c; 100 \$7.00

**CLARA BUTT**—Bright apple blossom pink, a brilliant and beautiful self-color. Conceded by all critics to be the most magnificent of the Darwin type; splendid for forcing and flowers, must be grown cool when forced.

Each 8c; doz. 85c; 100 \$6.25

**DREAM**—Beautiful soft lilac self-colored, extra large.  
Each 10c; doz. \$1.00; 100 \$7.50

**EUROPE**—Salmon scarlet, shaded rose.  
Each 10c; doz. \$1.00; 100 \$7.50

**FARNCOMBE SANDERS**—Magnificent brilliant scarlet, a finely formed giant flower; the best red Darwin.  
Each 10c; doz. \$1.10; 100 \$8.00

**GRETCHEN**—Large globular delicate pink flower, inside soft blush.  
Each 10c; doz. 85c; 100 \$6.75

**HIPPOLYTE**—A unique color among Darwin sorts being a beautiful blue-violet shade.  
Each 10c; doz. \$1.10; 100 \$8.00

**LA CANDEUR**—(White Queen)—Splendid white flower tinged delicate blush; large size.  
Each 9c; doz. 90c; 100 \$6.50

**LA TULIP NOIRE**—The Black Tulip—Flowers large, lustrous and attractive, of fine form, grows 24 inches high. A rare novelty.  
Each 11c; doz. \$1.10; 100 \$8.25

**KING HAROLD**—Deep garnet red with purple black base. Splendid variety for border use. Strong stems.  
Each 9c; doz. \$1.00; 100 \$6.75

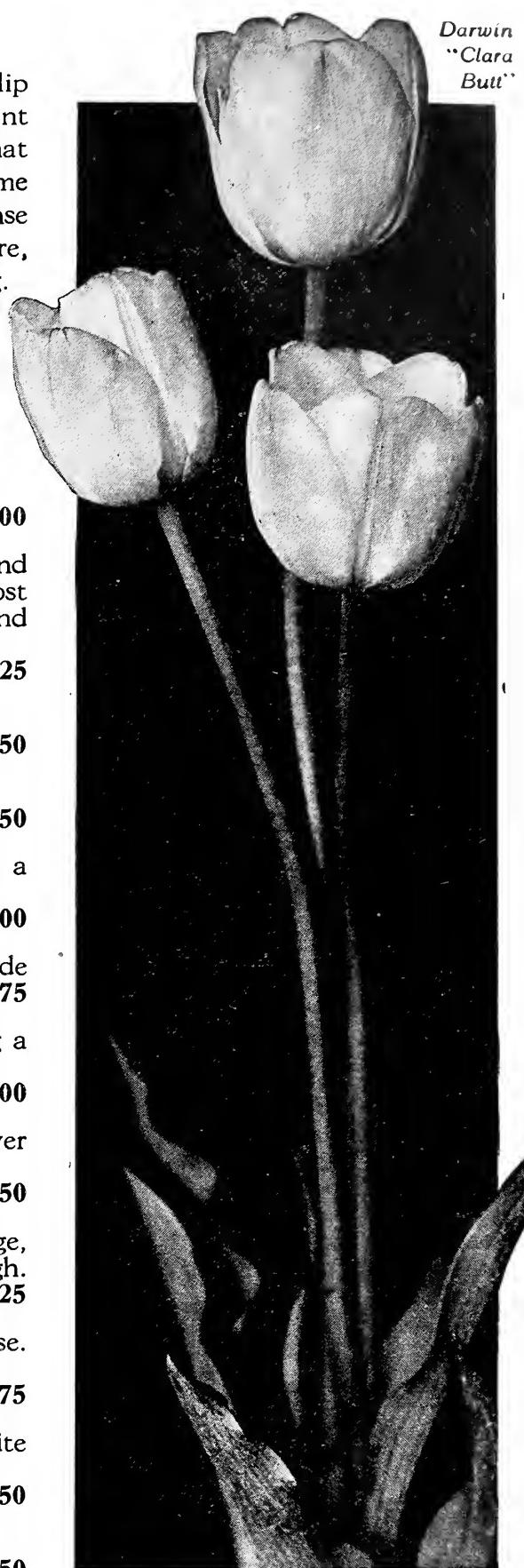
**MASSACHUSETTS**—Large flowers of vivid pink with white center. Superb for outdoor planting.  
Each 10c; doz. \$1.10; 100 \$7.50

**MME. KRELAGE**—Bright pink, lighter edge.  
Each 10c; doz. \$1.10; 100 \$7.50

**PRIDE OF HAARLEM**—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.  
Each 10c; doz. 1.10; 100 \$8.00

**REV. EWBANK**—Soft mauve, light edging.  
Each 9c; doz. 90c; 100 \$6.50

**MIXED**—Each 8c; doz. 75c; 100 \$5.50.

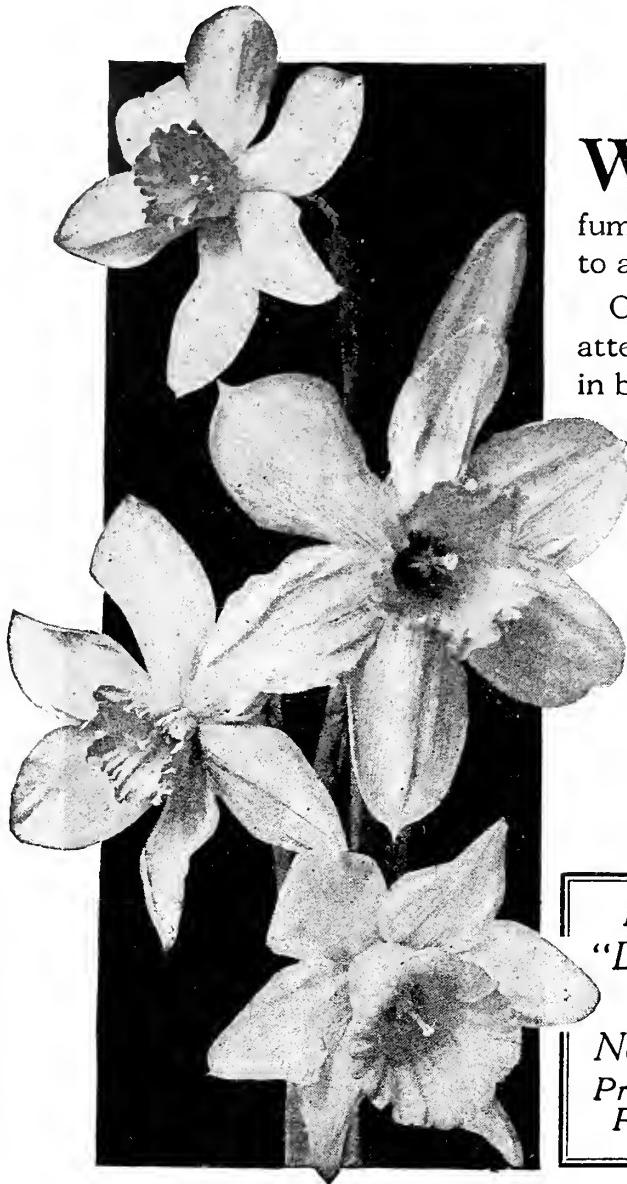


Darwin  
"Clara  
Butt"

*Don't Fail to Plant a  
Few Clumps of  
DARWINS*

They make a wonderful  
garden display and are  
beautiful and lasting  
when cut.

For Gladioli, Dahlias, Cannas and Spring Flowering Bulbs see our General Catalog. Ready in January.



*Book of  
"Daffodils  
and  
Narcissi"  
Price \$1.35  
Postpaid*

## "DIAMOND QUALITY"

# NARCISSI

WE CONSIDER NARCISSI to be the most satisfactory and valuable of all flowering bulbs; their exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

## Popular Types

**POLYANTHUS**—Flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

**"DAFFODILS"**—The Trumpet types are the most widely known, and some of the best garden varieties are of this class, they also force easily, making ideal pot plants.

**"STAR NARCISSUS"**—The "Chalice Cupped" are the daintiest and most charming of all types. To this class belong the *Incomparabilis*, *Barrii*, *Leedsii*, etc., all splendid garden varieties that will give perfect results when grown in pots or forced.

**POETICUS or "PHEASANT'S EYE" NARCISSUS**—The White flowered give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

**POETAZ NARCISSI**—Are hybrids of *Poeticus* and *Polyanthus* types, forming a distinct and beautiful, free blooming, large cluster flowered class, equally valuable for bedding or forcing; extremely hardy.

## Culture of Narcissi

**Outdoor Culture**—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is  $1\frac{1}{2}$  the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep, moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil.

**Pot Culture**—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfey loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm.) Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

 *In Planting Narcissi large groupings of irregular outline give most pleasing effects; shun symmetrical lines or formal designs.*

## Double Daffodils

**ALBA PLENA ODORATA**—(6)—"The Double White Poet's Narcissus."—Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each 7c; doz. 70c; 100 \$5.00

**ORANGE PHOENIX**—(3)—(Eggs and Bacon)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting.

Each 9c; doz. 95c; 100 \$7.00

**VAN SION**—(*Telamonius Plenus*) (2)—"The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. Thrives and blooms in increasing profusion every spring and is also one of the best winter flowering and forcing sorts. Each 9c; doz. 95c; 100 \$7.00

**VAN SION No. 2**—Ea 7c; doz. 70c; 100 \$5.00

**SILVER (SULPHUR) PHOENIX**—(3)—Very large flowers; pale creamy white, shading to primrose. Each 9c; doz. 95c; 100 \$7.25

## DAFFODILS

**T**HE TRUMPET TYPES OF NARCISSI are the true old fashioned form of Daffodils, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots.

**NOTE** To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

**ALBICANS—(2)**—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim. **Each 7c; doz. 75c; 100 \$5.50**

**BARRII CONSPICUUS—(4)**—Long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. **Each 8c; doz. 80c; 100 \$6.00**

**BICOLOR EMPRESS—(3)**—Perianth snow-white, trumpet rich yellow, serrated and flanged at the edges large in outline and of rare beauty. **Each 10c; doz. \$1.10; 100 \$8.50**

**BICOLOR VICTORIA—(2)**—A magnificent large variety, bold and erect. Sweet scented. Perianth white and of great substance; trumpet rich yellow. **Each 10c; doz. \$1.10; 100 \$8.50**

**EMPEROR—q.(3)**—Perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils grown. **Ea 15c; doz. \$1.40; 100 \$10.00**

**EMPEROR—q.(2). Ea. 10c; doz. \$1.10; 100 \$8.00**

**GOLDEN SPUR—(1)**—Extra large, bold, rich, golden yellow flowers, foliage very broad and striking; unsurpassed for gardens, pots and forcing. **Each 10c; doz. 75c; 100 \$7.50**

**GOLDEN SPUR—(2). Ea. 8c; doz. 75c; 100 \$6.00**

**GLORY OF LEIDEN—(4)**—A bold, giant daffodil, with golden yellow trumpet, perianth lighter, forces well, and very hardy in open ground. **Each 15c; doz. \$1.40; 100 \$10.00**

**HENRY IRVING—(1)**—Golden yellow Trumpet and perianth, a very popular early variety. Large and fine form. **Ea 8c; doz. 85c; 100 \$6.00**

### Poeticus Varieties

The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. Especially valuable for garden planting, and if allowed to remain undisturbed, they thrive, spread and improve every year.

**GLORY OF LISSE—(4)**—The new Poeticus, largest of the type. Snowy white, perfectly formed. **Each 10c; doz. \$1.00; 100 \$7.50**

**POETICUS (Pheasant's Eye)—(5)**—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring; are perfectly hardy out of doors—will bloom year after year. Does not force. **Each 8c; doz. 75c; 100 \$5.25**

**POETICUS ORNATUS—(4)**—(The Improved Poeticus)—Pure white cup, edged with scarlet. Good forcer and earlier than Poeticus. **Each 7c; doz. 60c; 100 \$4.00**

**NOTE** Bulbs prepaid in United States only—Canadian and Alaskan Postage extra.

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG



Daffodils  
once  
planted  
need not be  
disturbed  
for years.  
They will  
increase and  
bloom freely  
and are  
hardy  
everywhere

**MAD. DE GRAAFF—(4)**—Opens with soft primrose trumpet passing to white, forces well and for garden or naturalizing in grass has no superior. **Each 20c; doz. \$2.00**

**PRINCEPS—(1)**—One of the finest of the large trumpet type. Also superior as a forcing variety; perianth pale sulphur; trumpet rich yellow. **Each 9c; doz. 95c; 100 \$7.25**

**SIR WATKIN—Incomparabilis Type—(2)**—"The Giant Chalice Flower," or "Big Welshman." Immense, long stems, flowers of rich light yellow, with a large, dark cup, tinted with orange. **Each 10c; doz. \$1.10; 100 \$8.00**

### Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, bearing in profusion clusters of delightfully fragrant flowers. Good keepers, forcing or bedding.

**ELVIRA**—Broad, white petals, deep golden cup, with scarlet edge, delicious fragrance **Each 9c; doz. 95c; 100 \$7.00**

**IRENE**—Perianth yellow, cup orange. **Each 9c; doz. 95c; 100 \$7.00**

### Jonquils

A species of Narcissi distinguished by rush like leaves. Easily grown in the house or open ground.

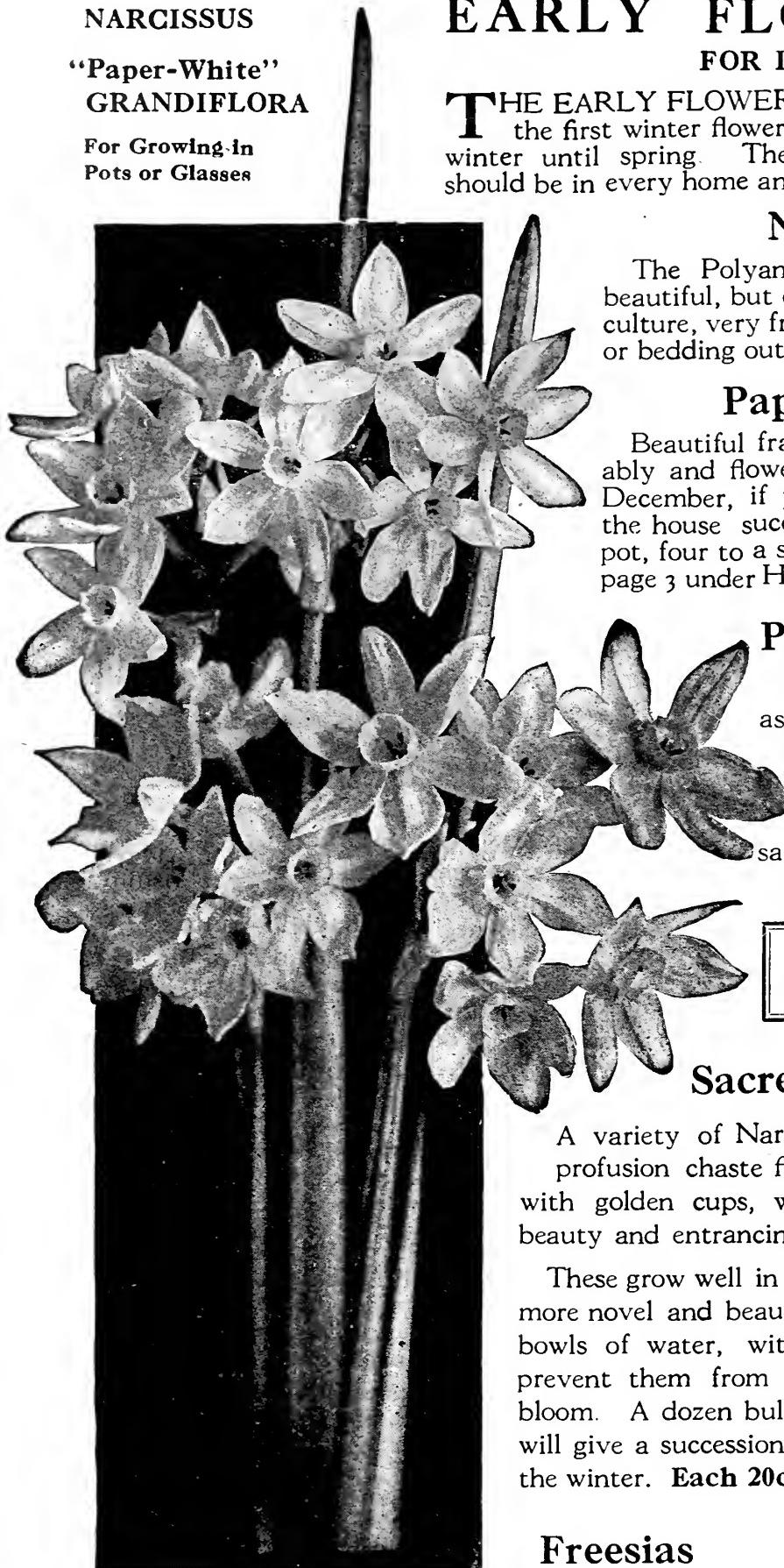
**JONQUIL CAMPERNELLE RUGULOSUS**—Improved giant Jonquil, broadly imbricated perianth, wrinkled cup, beautiful rich yellow. **Each 7c; doz. 70c; 100 \$4.50**

**JONQUIL CAMPERNELLE RUGULOSUS PLENUS**—Double yellow flowers of great beauty on tall, graceful stems. **Each 7c; doz. 70c; 100 \$5.00**

## NARCISSUS

"Paper-White"  
GRANDIFLORA

For Growing in  
Pots or Glasses



# EARLY FLOWERING BULBS

## FOR INDOOR PLANTING

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

### Narcissi—*Polyanthus*

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom.

#### Paper White—*Grandiflora*

Beautiful fragrant flowers of pure white; forces admirably and flowers freely in dense clusters; will bloom in December, if potted early. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 3 under Hyacinths. Ea. 10c; doz. \$1.00; 100 \$7.50

#### Polyanthus Varieties—Mixed

These include the choice named sorts such as **Grand Monarch**, white; **Soleil D'Or**, yellow; **The Pearl**, etc., and are suitable for open ground or pot culture. They can also be grown in water the same as the "Paper White."

Each 10c; doz. \$1.00; 100 \$8.00

Postage prepaid in U. S. only. Canada, Alaska and outside points extra. See page 49

### Sacred Chinese Lily

A variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume.

These grow well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter. Each 20c; doz. \$2.00, postpaid

### Freesias

These popular winter blooming bulbs force readily, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in a 4-inch pot.

**PURITY—New Giant Freesia—Pure white.**

Doz. 50c; 100 \$3.00

Our connection with the most successful and reliable growers of Freesias enables us to supply our patrons with the choicest grades both in size and quality possible to produce and at prices no higher than for the average commercial grades.

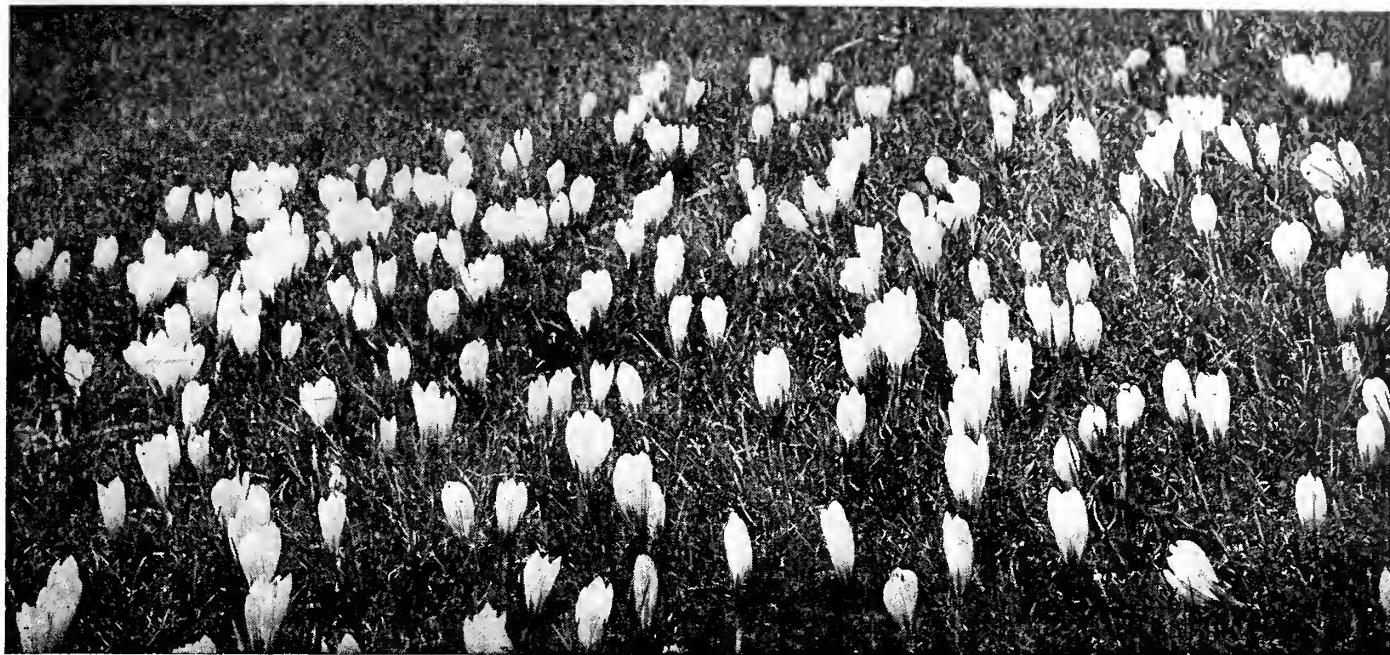


China Lily

FOR GROWING NARCISSUS AND HYACINTHS IN GLASSES SEE PAGES 3 AND 8

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

# CROCUS



A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They bloom very early, dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

**PRICE, except as noted:** ..... doz. 40c; 100 \$2.50

**BARON BRUNOW**—Bright purple, free bloomer, flowers large, extra fine.

**MONT BLANC**—Large, pure white; one of the finest.

**KING OF THE WHITES**—Mammoth snow white, truly the king of all white Crocus.

**MAMMOTH YELLOW**—Yellow, selected bulbs of large size; finest blooms.

**LOTHAIR**—White with blue stripes, very beautiful and distinctive.

**SIR WALTER SCOTT**—White, striped with purple, the best striped, very large.

**PURPUREA GRANDIFLORA**—Bright purple, large, fine flower. Price, doz. 60c; 100 \$4.00

Separate colors in mixed shades are extensively planted for outdoor beds or borders.

**ASSORTED**—Blue, striped, white or yellow. Doz. 30c; 100 \$2.25. **MIXED**—All colors. Per 100 \$1.50

## CALLA LILIES

**CALLA AETHIOPICA**—White Calla has few equals as a pot plant, and is easily grown. Plant one bulb to 6-inch pot, giving an abundance of water, light and heat.

**First Size Bulbs.**

Each 15c; doz. \$1.50

**Extra Size Bulbs.**

Each 20c; doz. \$2.00

**GODFREY CALLA**—Beautiful snowy white flowers borne continuously in great profusion. The "Godfrey" is a little smaller than the Aethiopica but makes a more luxuriant growth and is specially useful to florists on account of the great number of flowers it will cut. This also makes it a great favorite as a house plant.

Each 25c; doz. \$2.50

**YELLOW CALLA (Elliotiana)**—Flowers are a deep rich golden yellow and lasting. Foliage is a beautiful deep green, spotted silvery white. Treat same as White Calla.

Each 35c; doz. \$3.75



Calla Elliotiana

## Lilium Washingtonianum

**MT. HOOD LILY**—A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

**Choice Bulbs.**

Each 25c; doz. \$2.50

**JAPAN LILIES—LILY OF THE VALLEY—AND LILIUM CANDIDUM**—on Page 12

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# LILIES—JAPAN



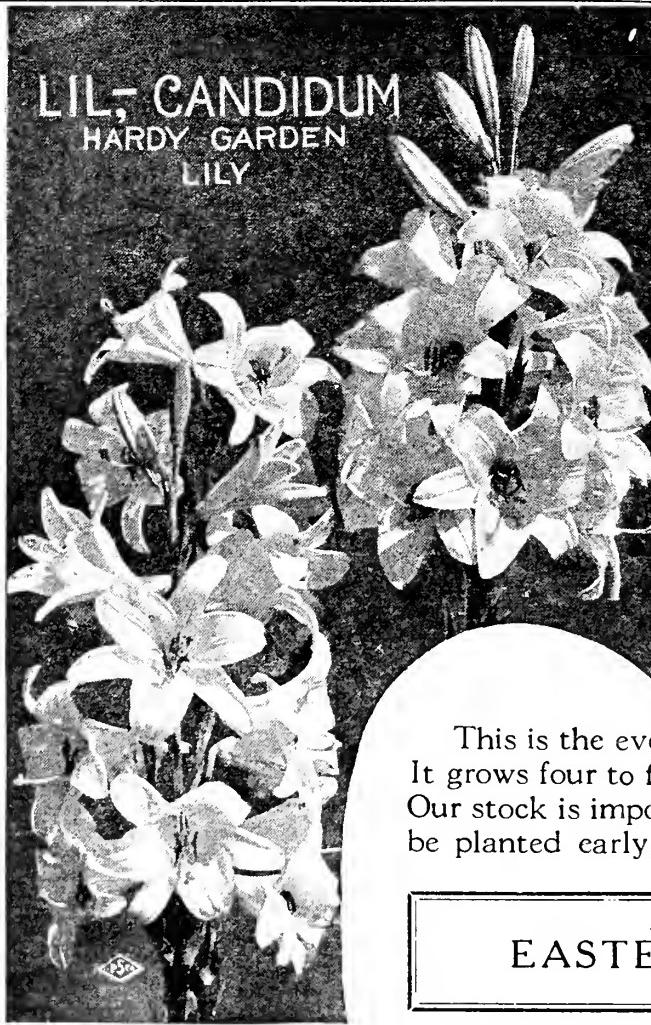
Lilies planted outdoors during the fall or early spring flower each year from June to October.

After bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

**LILIUM LONGIFLORUM—Giganteum**—Of grand size and substance; superior to the Multiflorum, but flowers a little later; especially fine for open ground.

**Plant in early December for Easter blooming. Choice bulbs, each 30c; doz. \$3.25, postpaid; extra choice bulbs, each 40c; doz. \$4.00, postpaid.**

**→ Owing to the great shortage of stock, overcrowded transportation facilities, high freight rates and importing restrictions, it was only possible to secure a limited number of Lilies from Japan this season and we can only offer subject to stock being unsold. Order early.**



## LILY OF THE VALLEY Extra Select Pips

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips are ready November to March.

**SELECTED PIPS**, for forcing indoors or planting outside. **Doz. 75c; 100 \$5.00**

### Lilium Candidum

This is the ever popular, fragrant snow white, hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early.

**Each 20c; doz. \$2.00**

EASTER SUNDAY MARCH 27, 1921



# IRIS

**I**RIS are of such easy culture and rare beauty that everyone should grow them. They make a magnificent display either in clumps or border, blooming profusely and increasing rapidly and are perfectly hardy in the open ground, preferring a moist situation. Plant Fall or early Spring.

## Japanese Iris (Iris Kaempferi)

Japanese Iris are unsurpassed for their brilliant and varied colorings, producing effects that are truly marvelous. Blossoms early summer. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant, using stable manure, but do not apply after growth starts.

 We have listed most Japanese Iris under their colors as the names are meaningless to the average grower and are soon lost or confused.

**APOLLO**—A wonderful pure white of good substance and graceful form.

**HELEN**—Beautiful violet red with white center.

**BLUE**—A splendid, large, free flowering true blue.

**SILVERY WHITE**—A charming flower, suffused and veined with a soft shade of light blue.

**PURPLE**—A dark, rich shade of royal purple.

**LILAC**—A dainty light lilac heavily veined with purple.

**CRIMSON PURPLE**—Fine large purple flower overlaid with bright crimson.

**PURPLE MAROON**—A deep pleasing shade of purple with maroon suffusion.

## Double Varieties

**DARK VIOLET**—Large, shapely flower, beautifully veined and shaded.

**BLUE JAY**—Tall, rich blue suffused with crimson.

**DARK BLUE**—Brilliant deep blue.

**WHITE**—Lovely form, large white flower. Very early.

**PRICES:** Strong roots, each 30c; per dozen \$3.25

## Hardy Iris

Hardy Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in blues, browns, yellows, purples, white.

**FAWN**—A charming soft fawn yellow.

**GOLDEN YELLOW**—A deep rich golden yellow, very pleasing.

**LOUISE**—Sulphur yellow of a bright clear shade.

**WHITE VIOLET**—A rare and beautiful combination, being pure white with lovely violet falls.

**LIBERTY** (New)—A wonderful new bright azure blue superior to the popular Pallida Dalmatica. "Liberty" is a sport from "Juanita," is a very vigorous and free flowering variety often having 8 to 12 blooms on a stalk with stems 3 to 5 feet.

**PALLIDA DALMATICA**—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

**MADAM CHERAU**—Large white, dainty frilled blue edge.

**LOHENGRIN**—Beautiful Cattleyea rose, a large graceful flower.

**PRINCESS ROYAL**—Soft rose lilac, an unusual and attractive shade.

**QUEEN OF MAY**—A fine bright rose color. Early.

**FLORENTINA ALBA**—Dwarf snow white, best of its class.

**HER MAJESTY**—A rich dark bronze color of great beauty.

**PRICES:** Strong roots, each 25c; per dozen \$2.50

 Spanish Iris could not be supplied this season, owing to importing restrictions

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG



## PERENNIAL BORDER AND BEDDING PLANTS

**W**E offer well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

By proper arrangement cut flowers and a grand garden display can be obtained throughout the season. The great advantage in planting perennials is their permanency and the fact that they require so little care.

**PLANTS MARKED 30c, \$3.00 doz.; 35c, \$3.50 doz., F. O. B. Spokane. If mailed Postage ex.**

**AGANTHUS**—(Bears Breech)—Very ornamental, having a tropical appearance. The foliage being attractive, the leaves about 2 feet long and the rose colored flower spikes 3 feet high appear in August and September. **Each 35c**

**ACHILIEA**—(The Pearl)—Pure white flowers, 2 feet high. **Each 30c**

**ACONITUM** (Monkshood or Helmet Flower)—*Nappellus*—Large dark blue flowers, 4 ft. high, invaluable for semi-shady places. **Each 35c**

**ALYSSUM SAXATILE COMPACTUM**—Bright yellow corymbs; showy Spring flowering plant—also flowers in Autumn. **Each 30c**

**ANCHUSIA ITALICA**—Tall growing hardy plant, with pretty blue flowers in large racemes. **Each 35c**

**ANEMONE JAPONICA**—Beautiful Fall blooming plants. Rose or white. **Each 30c**

**ANEMONE PULSATILLA**—An ideal rock plant, 9 to 12 inches high. Violet or purple flowers April to May. **Each 35c**

**AQUILEGIA HYBRIDA**—(Columbine)—An old favorite for Spring and early Summer. Blue, violet, pink. Fine for cut flowers. **Ea. 35c**

**ARABIS**—(Rock Cress) — Very early spring flowering plants especially adapted for edging and borders. Pure white flowers.

*Alpina Grandiflora*—Single. **Each 30c**

*Alpina Flore Pleno*— **Each 35c**

**ARTICHOKE**—Ornamental garden plant, bearing edible buds that develop into giant thistle-like blooms. **Each 30c**

**ASTERS, HARDY**—Among the showiest of late flowering plants. The colors are dainty blues, shades of red, pink and white. **Each 30c**

**AUBRETIA**—Pretty dwarf growing rock plants, silvery-green foliage and sheets of flowers in early spring and summer.

*Bougainvillei*—Purple. **Each 30c**

*Leichtlini*—Pink. **Each 30c**

**CANTERBURY BELLS**—Pink, white, blue, large clumps. **Each 35c**

**COREOPSIS**—(Golden Sunbeams)—Beautiful golden-yellow; fine for cutting. **Each 35c**

**DAISIES GIANT**—Pink and white. **Each 35c**

**DIANTHUS**—(Hardy Pink). **Each 35c**

**DORONICUM**—Early Spring Marguerite-like yellow flowers. Fine border plant. **Each 35c**

**ECHINOPS**—(Globe Thistle) *Ritro*—Thistle-like plant with globular heads of deep metallic blue flowers, which can be dried. Flowers in August. 2 to 3 ft. **Each 35c**

**ENGLISH PRIMROSE**—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **Each 30c**

**FOX GLOVE**—(Digitalis)—Tall Gloxinia Flowered. *Pink, White and Blue.* **Each 35c**

**GAILLARDIA**—(Blanket Flower—*Grandiflora Maxima*)—Combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; fine for cut flowers. **Each 35c**

**GEUM**—(*Attricinum*)—A splendid bed or border plant—18 to 24 inches—bearing freely, dainty little double red flowers. **Each 35c**

**GYPSOPHILA**—(Baby Breath)—*Paniculata*—Single and double; thrives during driest weather; elegant rock plants and very useful for cut flowers. **Each 35c**

**HELENIUM**—(Sun-bride or Sneeze-wort)—very desirable border plant, broad-spreading heads of flowers, useful for cutting. Red, yellow, brown. **Each 35c**

**HELIANTHUS**—(Hardy Sunflower)—Effective hardy plants for large borders and planting among shrubbery. Flowers, golden-yellow.

*Multiflorus Maxima*—Golden-yellow flowers, July to August. **Each 30c**

**HELIANTHUS SPARSIFOLIA**—Superb new single sunflower of striking beauty; blooms late in the season. **Each 35c**

**HELIOPSIS**—(Orange Sunflower)—July and August. Similar to Helianthus but earlier. Dwarf habit, fine for cut flowers. **Each 35c**

*Pitcheriana*—Beautiful deep golden yellow flowers about two inches in diameter. **Each 35c**

## Hardy Perennial Garden Plants—Continued

**HEUCHERA SANGUINEA**—Dainty alpine plant requiring shade of a rockery or fernery. The bell-shaped coral red flowers are borne on wiry stems about 18 inches. **Each 35c**

**HOLLYHOCKS**—Good soil required, work in well rotted manure; water during dry weather. **New Double and Single**—Red, yellow, pink, and white. **Large clumps, Each 35c**

**MYOSOTIS**—(For-get-me-not)—*Dissitiflora*—Little blue star-like flowers. Useful for borders and half shady places. **Each 30c**

**PENTSTEMON**—(Beard Tongue) *Hybridum*—Large Gloxinia-like flowers, in all colors from white to deep crimson, 2 to 3 ft. high. **Ea. 35c**

**PLATYCODON**—(Balloon flower or Japanese Bell Flower)—2 to 2½ ft. high. After the third season the plant will have ten to twelve stalks covered with lovely blue blossoms for nearly a month, beginning about July first. **Mariesi. Each 35c**

**PYRETHRUM**—(Persian Daisy)—Of easy culture where drainage is good and full exposure to sun. They prefer to be undisturbed for 2 or 3 years, bloom in June—*Hybridum*. **Each 35c**

**RUDBECKIA**—(Golden Glow)—Bears in profusion immense double blooms of the brightest, golden yellow; hardy everywhere. **Each 35c**

**RUDBECKIA NEWMANI**—(Black-eyed Susan)—Golden yellow ray petals around a dark center. Fine cut flowers. **Each 35c**

**SCABIOSA Caucasica** (Blue Bonnet)—Handsome border plant. A soft shade of lavender, blooms June to Sept. Stems 18 to 24 in. **Ea. 35c**

**SEDUM**—(Stone Crop)—Suitable for rockery carpet bedding, etc.

*Album*—Green foliage and white flowers. **Ea. 30c**

*Lydium glaucum*—Glaucous foliage. **Each 30c**

**SHASTA DAISY**—(Alaska)—Immense, fluffy white blooms, with golden eyes, fine for cutting; splendid border plants. July to late Fall. **Each 35c**

**STATICE**—(See Lavender)—Valuable for border or rockery, with tufts of leathery leaves and immense candelabra-like heads. Last for months when dried. Bloom June to Sept.

*Incana*—White minute flowers. **Each 35c**

*Latifolia*—Minute purplish blue flowers. **Ea. 35c**

**STOKESIA**—(Cornflower Aster)—*Cyana*—Handsome lavender blue cornflower-like blossoms which measure from 4 to 5 inches across. Desirable as a single plant or grown in beds 18 to 24 inches high, June to Sept. **Each 35c**

**SWEET WILLIAM**—Old favorites for beds and borders, assorted colors. **Each 35c**

*Newport Pink.* **Each 35c**

**VALERIANA**—(Garden Heliotrope)—Decorative plant for the rockery, with strong heliotrope odor.

*Officinalis*—Rose tinted white flowers during June and July. **Each 35c**

*Coccinea Rubra*—Rose-pink flowers; blooms in May; 2 ft. high. **Each 35c**

*Coxina floralba*—Pure white flower tufts. **Ea. 35c**

**VERONICA PROSTRATA**—Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. **Each 30c**

**VERONICA REPENS**—(Creeping Speedwell)—Slender compact plant with blue flowers. Thrives in the sun where grass will not grow. Fine for rock work. **Each 35c**

**VIOLA**—Fragrant plants which grow in half shady places and begin to flower early in the spring. Double and single—colors violet, blue or white. **Each 30c**

**WALLFLOWER**—Dark and Light; single and double; mixed; good subjects for rock garden and spring bedding. **Each 30c**

## PERENNIAL PHLOX

Hardy everywhere. The marvelous new colors, beautiful foliage and easy culture make this choice flower one of the most desirable for beds, borders or lawn groups where permanent effects are desired.

**ANTONIN MERIE**—Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

**ATHIS**—Tall magnificent salmon pink, free and continuous bloomer.

**COQUELICOT**—Scarlet, crimson eye; dwarf.

**DIADEM**—Large flowering, pure white—dwarf.

**ELIZABETH CAMPBELL**—Medium height; bright salmon-pink with lighter shading and dark crimson eye.

**EUROPA**—Medium; immense trusses of pure white with distinct crimson eye.

**GOLIATH**—Truly a giant in growth; color bright crimson carmine, deeper eye.

**GEO. A. STROHLEIN**—Medium bright scarlet with crimson red eye; does not bleach.

**JEWEL**—Dwarf; bright mauve rose with carmine red eye. Superior to Asia.

**HUXLY**—Medium; a beautiful lavender.

**MME. PAUL DUTRIE**—Tall; delicate lilac rose reminding one of beautiful soft pink Orchids.

**MRS. JENKINS**—The best tall early white for massing.

**RHEINLANDER**—Very large bright salmon-pink florets in large panicles. Tall growing.

**R. P. STRUTHERS**—Tall, rosy carmine with claret-red eye; fine.

**SELMA**—Tall; large flower; pale rose mauve with claret eye.

**SUNSHINE**—Dwarf; large, aniline-red with crimson-red eye and light halo.

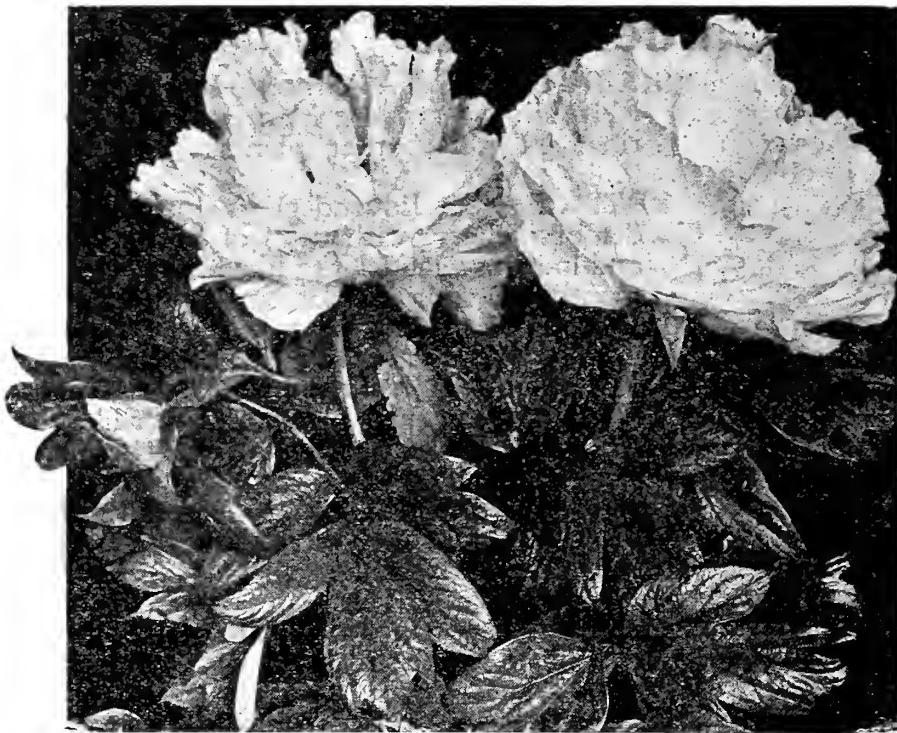
**THOR**—Dwarf; beautiful rich salmon-pink with scarlet suffusion; eye aniline red with light halo.

**VON LASSBURG**—Medium; one of the largest flowered purest whites in cultivation.

## Phlox for Rock Work

**PHLOX SUBULATA**—(Moss or Mt. Pink)—Early spring flowering; useful for carpet bedding; cemetery planting or rockeries.

**PHLOX DIVARICATA CANADENSIS**—Blooms early in April, has large, beautiful lavender flowers; grows 10 inches high.



# PAEONIES

Double Herbaceous

THE development and increase in popularity of the Peony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

*Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn.*

Varieties not listed in our choice collection can be supplied to your order.

**APPLE BLOSSOM**—Guard petals white and light pink, like an apple blossom. An early and free bloomer.  
Each 75c

**ASA GRAY**—Very large. Semi-double. Pale to deep lilac. Mid season.  
Each \$1.00

**AVALANCHE**—Very large and full, milky white. Strong grower, fragrant. Mid season.  
Each \$1.00

**BARONESS SCHROEDER**—Large, globular, rose type. Flesh-white. Very fragrant. Mid-season.  
\$2.00

**COURONNE D'OR**—Superb white flower; immense size, reflects yellow, center petals, bordered carmine, fragrant, vigorous; late.  
Each \$1.00

**DELACHEI**—Large, full flower of a deep rich crimson, purplish tone; very fragrant; medium to late.  
Each 75c

**DELICATISSIMA**—Light rosy apricot, sometimes margined carmine red. Mid season.  
Each 75c

**DOCTOR BRETONNEAU**—A delicate lilac pink, vigorous grower and free bloomer. Fragrant. Above medium size, bomb shaped blossom.  
Each 75c

**DORCHESTER**—Large, compact, rose type. Pale hydrangea-pink. Late.  
\$1.00

**DUC DE WELLINGTON**—Large, bomb, with white guards and sulphur center. Fragrant. Late.  
\$1.00

**DUCHESSE DE NEMOURS**—Medium size. Pure white crown, sulphur-white collar, no crimson flecks. Fragrant. Early.  
\$1.00

**DUKE OF DEVONSHIRE**—Very large, medium light pink, shaded to deep rose, with wide outer petals.  
\$1.00

**EDULIS SUPERBA**—Rose pink, delightfully fragrant. An early bloomer, ready for Decoration Day.  
Each \$1.00

\***EUGENE VERDIER**—Very large, light rose, shaded salmon, full sweetly scented, distinct from Eugenie Verdier. Late.  
Each \$2.00

**FELIX CROUSSE**—Full double, flaming red, good bloomer. Mid season. Each \$1.00

**FESTIVA MAXIMA**—Immense double flowers, pure white tipped or flaked with a small crimson spot at center. Early. Each 75c

**FLORAL TREASURE**—Large, pale lilac-rose, good for cutting. Mid season. Each \$1.00

**FRAGRANS**—Late; color deep rose; fragrant prolific bloomer; tall grower. Each 75c

**GLOIRE d'BOSKOOP**—Large globular flower of rich pink shading to lilac. Mid season. Each \$1.00

**GLORY OF SOMMERSET**—Large, bomb type. Beautiful soft pink. Fragrant. Mid-season.  
\$1.00

**GRANDIFLORA**—Very large. Blush white. Very fragrant. Tall, erect, strong grower. Very late. Many consider this the best late variety of its color.  
Each 75c

\***HUMEI**—Enormous, compact, globular, cherry pink, cinnamon fragrance, very late, good landscape variety.  
75c

**JENNY LIND**—Large, bomb type. Hydrangea pink. Fragrant. Midseason.  
\$1.00

**KARL ROSENFIELD**—Very large, globular, compact, semi-rose type. Dark crimson. A very brilliant and striking variety. Slightly fragrant. Midseason.  
\$4.00

**LA MARTINE**—Large rose type, carmine rose bordered silvery white. Late. Price 75c

**LA TULIPE**—Medium large. Lilac white fading to creamy white with outer guard petals striped and center petals tipped with carmine. Late.  
Each 75c

**L'ECLETANTE**—Bomb type, midseason. Flowers very double and full, color deep, brilliant, velvety crimson.  
\$1.00

**L'INDISPENSABLE**—Full, globular rose type. Lilac-white. Bud slow to open. Late mid-season.  
\$1.00

## Paeonies—Continued

<b>MADAME CALOT</b> —Large, rose type. Pale hydrangea-pink. Fragrant. Early. \$1.00	<b>MONSIEUR KRELAGE</b> —Dark Solferino red, with silvery tips; slightly fragrant; large, compact, flat flower; a free bloomer and erect grower; 30 to 33 in. high. Early. Each \$1.00
<b>MADAME CROUSSE</b> —Medium size, globular, crown. Pure white, center flecked crimson. Midseason. \$1.00	<b>*MME. DUCEL</b> —Immense, globular, typical bomb, light mauve rose, with silvery reflex, fragrant, vigorous, free bloomer. \$1.00
<b>MADAME LEBON</b> —Large, compact, globular, rose type. Cherry pink to analine red. Buds tight, opening slowly. Late. \$1.00	<b>MME. GEISSLER</b> —Enormous, compact, globular, rose type bloom, violet rose, tipped silver fragrant, spreadin habit, midseason. Ea. \$1.00
<b>MAD. BREON</b> —Flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. Early. Each 75c	<b>OFFICINALIS ALBA</b> —Blooms with Officinalis Rubra. Light pink at first, fading to white as flowers grow older. Each 60c
<b>MAD. DE VERNEVILLE</b> —Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated. Early. Each \$1.00	<b>OFFICINALIS ROSEA</b> —Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra, producing fine flowers for Decoration Day. Each 60c
<b>*MARECHAL VAILLANT</b> —Enormous, dark mauve pink, very tall; very late. \$1.00	<b>OFFICINALIS RUBRA</b> —Bright scarlet crimson, double and globular. Early. Each 60c
<b>MARIE JACQUIN</b> —Rose-white, fading to lilac-white; wide incurved petals, showing an open center filled with yellow stamens like a water-lily. Miseason. \$1.00	<b>POTTSI-ROSEA</b> —Rich deep rose, lighter center. Each 60c
<b>MARIE LEMOINE</b> —Large, compact, rose type flower. Pure creamy white. Late. \$1.00	<b>QUEENS PERFECTION</b> —Creamy white, large, full and attractive. Early. Each 60c
<b>MARIE STUART</b> —Very early; Soft pink with lighter center; Anemone shaped flowers. Ea 75c	<b>QUEEN VICTORIA</b> —A full, strong, white with yellowish-tinted center; very popular. Ea 60c
<b>MODELE DE PERFECTION</b> —Large, compact rose type. Guards and collar light violet-rose, high center petals shaded darker. Late. Each \$1.00	<b>RUBRA SUPERBA</b> —Deep carmine crimson, shading to violet. Very large and double. Very late. Each \$1.00
<b>MONSIEUR JULES ELIE</b> —Bomb type, pale lilac-rose shading lighter. Early. Each \$1.00	<b>RACHEL</b> —Dark vivid red, with a few gold stamens mixed in corolla. Late. \$1.00
<b>MODESTE GUERIN</b> —Medium Bomb type, solferino red, good for cutting. Mid season. Each \$1.00	<b>RUTH BRAND</b> —Large compact bomb, uniform lavender pink, fragrant. Each \$3.50
	<b>VICTOR HUGO</b> —Bomb type. Brilliant carmine-red. Late. \$1.00

## Larkspur—Delphiniums

<b>HARDY LARKSPUR</b> —One of the most beautiful and useful border plants; vigorous, free-blooming and hardy. The varieties we can supply are among the best.	Ea. 35c; doz. \$3.50. Mixed, ea. 30c; doz. \$300
<b>Named Varieties—Fine Large 2-year Clumps.</b>	
<b>BELLADONNA GRANDIFLORA</b> —Clear, delicate turquoise; a strong grower.	<b>MASTERPIECE</b> —Lovely deep gentian-blue and plum. Reflexed flowers of immense size. Tall.
<b>DELPHINIUM FORMOSUM</b> —Dark blue with white center.	<b>PERFECTION</b> —Sky-blue, petals suffused with rosy-lilac. Semi-double. Branching habit.
<b>DUKE OF CONNAUGHT</b> —Large flower of bright velvety-blue with inner petals of rosylavender, eye nearly black.	<b>PRIMROSE</b> —White sepals, yellow eye, single flowered.
<b>HANS DEKKING</b> —Very free flowering sort having flowers of a brilliant cornflower blue.	<b>QUEEN ALEXANDRA</b> —Sky-blue, white eye, single, very effective and beautiful; 4½ feet.
<b>KING OF DELPHINIUMS</b> —Giant semi-double flowers, deep blue with white eye.	<b>TRUE BLUE</b> —Intense deep blue with black eye. Single flowered tall sort. One of the finest.

## Oriental Poppy

**ORIENTAL POPPY**—The most brilliant and gorgeous of all garden plants; is hardy and succeeds well in any good garden soil, blooming in May and June, they are dormant thereafter until cool weather. We offer two rare and beautiful new sorts, besides the standard red type and hybrids.

Price each, 35c; doz. \$3.50

**NEW GIANT PANSIES**—Our Giant Plants can not be compared to any other Giant Pansies. Each 8c; doz. 85c; by mail \$1.25 doz.

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

**MAHONY**—A magnificent flower, almost a true dark mahogany. Large, free-blooming.

**ORIENTAL POPPY**—Red. The old time favorite.

**SALMON QUEEN**—Rich salmon-pink with coppery orange suffusion; deepest purplish black center and markings. A rare and splendid flower of largest size; vigorous and free blooming.



**W**E offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. Florists wishing stock of the new varieties write for prices.

### Nephrolepis or Boston Ferns

Price small plants, 25c; from 4 in. pots, 75c; 5 in. \$1.50, postpaid.  
Specimen plants, \$1.50 to \$3.00, F. O. B. Spokane.

**N. AMERPOHLII**—"Lace Fern," beautiful and attractive "sport" from the Boston Fern. Is finely "crested"; has fluffy lace-like appearance.

**BOSTON FERN**—This is the original and well known type of "Sword Fern."

**TEDDY JUNIOR**—New Dwarf Fern. A sport from the famous Roosevelt Fern. Compact in form, and a rapid grower, producing about four times as many fronds as any other fern.

**N. ROOSEVELT**—Resembles Boston Fern, produces more fronds, making a bushier plant.

**SCOTT FERN**—(*Nephrolepis Scottii*)—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth.

**OSTRICH PLUME FERN**—(*Nephrolepis Whitemani*)—Beautiful new sport from the well known Boston Fern.

### New and Popular Ferns

**ASPARAGUS SPRENGERII**—(Emerald Feather)—Handsome evergreen trailing plant; its beautiful sprays of lovely green, feathery foliage can be cut freely.

Nice plants, each 25c; large plants, 35c to 50c

**CYRTOMIUM ROCHFORDIANUM**—Foliage of a rich deep, glossy green color; and wavy leaflets are deeply cut or toothed; valuable for a dish fern.

Prices: Small Plants, 25c; from 4-inch pots, 60c, postpaid.

**ASPARAGUS PLUMOSUS**—(Climbing Lace Fern)—A finer and more delicate plant than the Sprengerii, but hardy and easily grown.

Nice plants, each 25c; large plants, 30c to 50c

**MAIDEN HAIR**—(*Adiantum Crevicatum*)—Very valuable to florists for cutting, grows freely under almost any condition inside.

Good plants from 4-inch pots, \$1.00 postpaid

**FOR FERN DISHES**—Attractive assortments, sufficient for 5 to 6-inch pans.

75c to \$1.00, postpaid

### WINTER-BLOOMING POT PLANTS

**CYCLAMEN, GIANT FLOWERED**—There is probably no more ornamental flowering plant for greenhouse or parlor culture than the Cyclamen. Circular fleshy leaves of a rich metallic green variously marked with silvery stripes. The flowers appear at the approach of cool weather and continue blooming throughout the winter. Colors, red, pink and white.

Price, 35 cents each; larger plants, 50 cents each, postpaid.

**PRIMROSES, NEW GIANT OBCONICA**—A lovely perpetual blooming primrose. The crisp green leaves spring up luxuriantly amid which appear, all season through, stout little stalks, each surmounted by a pretty cluster of lavender-pink flowers several inches across. One of the finest winter blooming house plants for a cool room.

Price, 25 cents each. Larger plants, 35 and 60 cents each. Add 10c if postpaid.

**GENISTA RACEMOSA**—Shower of Gold plant. Its pendent-shaped flowers literally smother the plant during the spring months, while at other times its graceful dark green foliage makes a very ornamental subject for home decoration. One of the easiest plants to grow.

Each 35c; larger plants 75c; add 10c if postpaid.

**PRIMROSES, CHINESE FRINGED**—These are easily grown in a cool room, delighting in a light sandy soil. The flowers are fringed, of fine size, produced in trusses well above the fresh lively green foliage which of itself is very handsome. Can be supplied in three colors, red, pink, white.

Price, 25 cents each. Larger plants, 35 and 50 cents each. Add 10c if postpaid.

**DIAMOND PLANT FOOD** for Palms and Pot Plants.  $\frac{1}{2}$  lb. pk. 35c; 1 lb. 50c. Postpaid

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## PALMS AND ORNAMENTAL PLANTS

**P**ALMS lend their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

**CARE OF PALMS**—Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance—do not keep a palm too wet. If you set the pot in a jardiniere put something under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist—clear through—but not wet like mud. One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it). Dilute this with ten parts of water and apply with a cloth or brush.

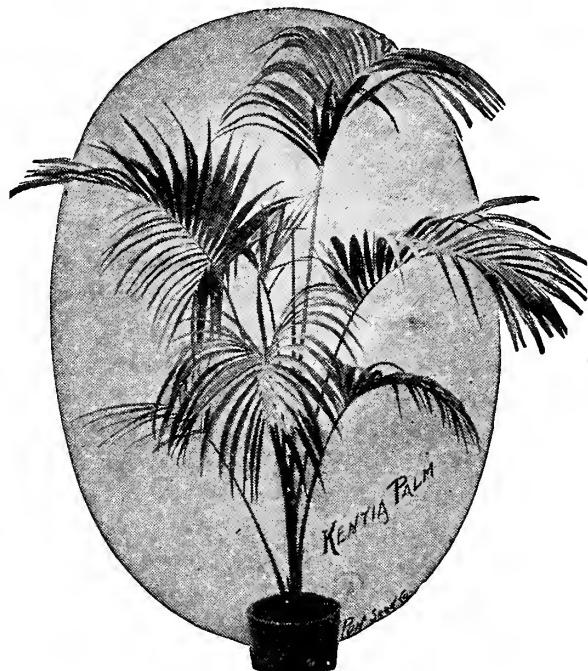
**PHOENIX ROEBELENII**—A new and graceful miniature "Phoenix" fully equaling in beauty the *Cocos Weddeliana*, hardy as the *Kentia*. Of vigorous, bushy growth.

**Choice plants, from 6-inch pots, \$2.00 to \$4.00**

**KENTIA BELMOREANA**—A beautiful, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy.

**Small plants, \$1.00. Large plants, 18 inches up, \$1.50 to \$5.00 and up.**

**COCOS WEDDELIANA**—The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm, well established in 4-inch pots, 5 to 7 leaves. **Each 75c. Nice specimen plants, \$2.50 up**



### Umbrella Plant

**CYPERUS**—(*Alternifolia*)—A splendid house plant of easy culture; resembles a palm; requires little or no attention and remains green throughout the year. Keep well watered.

**Plants, postpaid, each 25c to \$1.00**

### Dracaenas

**D. INDIVISA**—This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form, and stands full exposure to sun.

**4-inch pots 50c; 5-inch pots \$1.00**

☛ A 100-lb. bag of **DIAMOND LAWN AND ROSE FERTILIZER** is sufficient for the average city lot for one season, is easily applied, costs less than manure, is clean and odorless and is a **complete fertilizer** that will not only stimulate a quick, luxuriant growth, but will remain in the soil until used and not leach away and be lost. Ask for our free booklet, "FERTILIZERS."



**D**IAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of famous European growers.

### Planting and Care

In our favored section, roses attain a perfection seldom equaled, but you cannot expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

**SOIL**—Any good, well-drained garden soil, enriched with fertilizer, will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

**FERTILIZER**—Our odorless fertilizer, Bone Meal, Tankage of Blood, will give excellent results and should always be applied after the plants start their growth.

**WATERING**—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

**FINALLY**—Keep the surface well worked around the plants. This is as necessary as water or fertilizer. When planting cut back freely, and the bush will recover quickly.

**SHIPPING**—We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost to cover postage, but in such cases we always prune the tops and roots ready for planting.

We offer a splendid assortment of popular roses and the best of the new ones, and can secure any variety in commerce, TRUE to NAME.

## 7 Superb New Garden and Exhibition Roses

Fine 2-year Dormant Plants, not prepaid, \$1.00 unless otherwise priced.

**COUNTESS CLANWILLIAM**—(H. T.)—A distinct and charming rose, producing flowers in great abundance. Color delicate peach pink, petals flamed and edged with deep cherry red. Long pointed buds opening to large full flowers. Of strong, vigorous habit.

**DUCHESS OF SUTHERLAND**—(H. T.)—Delicate warm rose pink with lemon shading on white base. Flowers are large, full and conical with unusually large petals and possess a delicious sweet briar perfume. A splendid exhibition and garden rose.

**HADLEY**—(H. T.)—Color beautiful rich bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses.

**H. V. MACHIN**—(H. T.)—A splendid exhibition variety. Color, intense scarlet crimson. Well formed flowers of immense size.

**LADY MARY WARD**—(H. T.)—Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veneering.

**LOS ANGELES**—Described by the originator as "a flame pink toned with coral and shaded gold at base of petals." Buds long, pointed and lasting. The flowers are very large and the beauty of coloring does not fade. Flowers profusely all season on strong shoots. The foliage is a rich, luxuriant glossy green. Two-year field grown plants. Everyone should have Los Angeles. **Each \$1.50**

**TIPPERARY**—Beautifully formed buds of a bright canary yellow, produced with great freedom. A fine new Irish rose with all the requisites of a good garden and decorative variety.

## BEAUTIFUL ROSES OF RECENT INTRODUCTION

The following are the recent novelties and Gold Medal roses that have proven their merit and are now generally in great demand.

**Fine 2-year Dormant Plants, not prepaid, \$1.00; \$10.00 per doz.**

**ADMIRAL WARD**—(H. T.)—A fine bedding variety of vigorous growth and erect branching habit. Spherical blackish red bud opening to large full globular flowers of crimson red with shadings of fiery red and velvety purple.

**DUCHESS OF WELLINGTON**—(H. P.)—Intense saffron yellow stained with rich crimson which, as the flower develops, becomes deep coppery saffron yellow. Delightfully fragrant.

**HOOSIER BEAUTY**—Crimson scarlet with darker shadings, velvety texture. Bud long and pointed, deliciously fragrant.

**HADLEY**—(H. T.)—Color beautiful rich bright red. Very free and constant. A shapely, graceful bud and flower. One of the most charming and distinctive red roses.

**LADY HILLINGDON**—(T.)—Deep apricot yellow, long and pointed bud. Flowers are of good substance and very lasting. Foliage luxuriant. A fine forcing or garden rose, excellent for cutting.

**MRS. CHARLES RUSSELL**—(H. T.)—“American Beauty” can compete with it when it comes to counting points. Stems three feet long, stiff and surmounted by grand rosy-pink blooms.

**LOUISE CATHERINE BRESLAU**—(H. T.)—Coral red, shaded chrome yellow, opening to a shrimp pink, shaded coppery orange.

**MADAME MELANIE SOUPERT**—(H. T.)—Splendid new orange yellow shaded pink; beautiful, long-pointed buds. Best of its color.

**MAD. RAVARY**—(H. T.)—Clear orange yellow. Long pointed buds; flowers of fine form.

**MARQUIS DE SINETY**—(H. T.)—Deep saffron yellow, flushed reddish copper. Flower large, beautiful dark foliage.

**MELODY**—(H. T.)—Intense deep saffron yellow with primrose edges. Blooms medium size, very fragrant and freely produced.



*Los Angeles*

**MAD. EDOUARD HERRIOTT**—The famous winner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in rose.

Each \$1.25

**HENRY WINNETT**—(H. T.)—Rich crimson, not so dark as Hadley, but of a brighter shade; long, well formed buds; easily handled and prolific; stems straight and strong. A seedling reflecting honor upon its Canadian origin.

**RAYON D'OR**—(Pern)—Long, pointed buds of deep orange-cadmium smeared claret, opening to a rich sunflower yellow. Foliage is deep, glossy green; and free from mildew.

**RADIANCE RED**—(Red Radiance)—A glowing crimson sport of Radiance with all the magnificent qualities of the parent; the enormous globular flowers on heavy canes are a sight to be long remembered.

## DO NOT FORGET YOUR LAWN, IT NEEDS ATTENTION

**ODORLESS LAWN AND ROSE**—Our Diamond Lawn Fertilizer promotes a vigorous, healthy growth, giving the desired dark, rich green appearance; can be used at the time the seed is planted and later as a top dressing. One hundred pounds is sufficient for an ordinary city lot, and is far more effective and less objectionable than stable manure. Remember, it contains no weed seeds. When used as a top dressing it is best to make several light applications about two weeks apart.

**F. O. B. Spokane. 10 lbs 50c, 25 lbs \$1.00, 50-lb sack \$1.80, 100 lbs \$3.25, ton \$64.00**

# GRAND GARDEN ROSES

In this list you will find many famous prize winners and some of the most beautiful and popular roses.

Two-year-old plants, not prepaid, 85c each. Except as noted.



**BETTY**—(H. T.)—Beautiful coppery rose color, overspread with golden yellow. Fragrant.

**EDWARD MAWLEY**—(H. T.)—Long pointed buds of deep, rich, velvety crimson. Growth is upright and branching with handsome foliage. One of the finest red roses.

**FRANZ DEEGAN**—(H. T.)—This beautiful yellow is a fine grower, having the good habit of throwing up numerous heavy canes.

**HELEN GOULD**—(H. T.)—Bright watermelon-red, very free, vigorous and strong. One of the best red roses.

**JONKHEER J. L. MOCK**—(H. T.)—Inside of petals red, outside silvery blush white. Rapid grower.

**JOSEPH HILL**—(H. T.)—Salmon pink shaded yellow. Outside petals yellow suffused copper.

**KAI SERIN AUG. VICTORIA**—(H. T.)—Elegant, large pointed buds; large, full double flowers; color delicate creamy white; fragrant.

**LYON**—(Pernetiana)—Beautiful shrimp pink with salmon and chrome yellow shadings. Large, coral red buds, beautifully formed. A continuous and free bloomer. **Each \$1.00**

**MABEL DREW**—(H. T.)—Deep cream, passing to intense canary-yellow in the center; large, full, with smooth circular petals and delicious perfume.

**MRS. AARON WARD**—(T.)—A deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. One of the most beautiful roses in existence.

**OLD GOLD**—(H. T.)—Medium sized flowers of a vivid reddish orange color with coppery red and coppery apricot shadings. A splendid garden rose. **Each \$1.00**

**OPHELIA**—(H. T.)—Orange salmon buds, opening to flowers of dainty pink. The foliage is clean, dark and leathery—growth vigorous and free, producing long canes. Blooms early and continuously. **Each \$1.00**

**SUNBURST**—(H. T.)—The finest of all yellow roses with long pointed buds. Color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green. **Each \$1.00**

**VISCOUNTESS FOLKESTONE**—(H. T.)—Color, delicately tinted flesh, almost white, with beautiful satin finish; strong stems.

Owing to the great scarcity of roses, orders will be filled strictly in rotation as received. It will assist us greatly in meeting your requirements if, in ordering, you will make second and third choice. If we have to take the time to write, it may often happen that stock on hand when your order is received will be sold out before we can receive your reply.

## Spokane Seed Co.'s "Diamond" Fancy Lawn Mixture

Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest recleaned grass seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 60c postpaid; freight or express, per lb., 50c; 10 lbs., \$4.30.

Sow one pound to 400 square feet, 12 to 15 pounds to a 50-foot lot.

 Write us for Special Mixtures for Terraces, Shady Places, Dry or Wet Land

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## FAVORITE GARDEN AND EXHIBITION ROSES

*A choice collection of the best standard varieties, "tried and true," sure to give satisfaction.*

**Two-year field grown plants not prepaid, each 85c; doz. \$10.00**

**BRITISH QUEEN**—(H. T.)—Pure white, large, full flowers, opening freely. One of the best white roses for bedding and cutting.

**BESSIE BROWN**—(H. T.)—Creamy white; large, full, of very fine form. An exhibition rose.

**BETTY**—(H. T.)—Beautiful coppery rose color, overspread with golden yellow. Fragrant.

**CHAMP WEILAND**—(H. T.)—This is the new Killarney; said to be a great improvement.

**CLARA WATSON**—(H. T.)—Flesh, with center tinted rose-peach. Good form and rich fragrance.

**COUNTESS OF GOSFORD**—(H. T.)—Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.

**DEAN HOLE**—(H. T.)—Beautiful silvery carmine, shaded bright golden pink. Free bloomer.

**DOROTHY PAGE ROBERTS**—(H. T.)—Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.

**ETOILE DE FRANCE**—(H. T.)—Rich velvety crimson, center ruby red, large and double. Likes hot weather.

**ETOILE DE LYON**—Bright lemon yellow, very large, full and fine form. Free blooming and hardy for a yellow rose. One of the best of its color.

**GENERAL McARTHUR**—(H. T.)—Dazzling crimson scarlet; delicious perfume and magnificent foliage. Blooms in great profusion.

**GEN. SUP. A. JANSSEN**—(H. T.)—Deep, glowing carmine, large, full, deep flowers carried on robust stiff stems; very free.

**JULIET**—(H. B.)—A wonderful combination of old gold on the outside of petals and a rich rosy red on the inside. Flowers large, full and delightfully scented. **Each \$1.00**

**KILLARNEY PINK**—(H. T.)—Deep shell-pink, long pointed buds with large flowers. Very free and perpetual. **Each \$1.00**

**KILLARNEY QUEEN**—A sport from the well known Killarney but a much more robust grower, producing fine, large, nice formed buds of a deep rich rose color, lightened towards edge of petals. Very strong growing, remarkably strong canes of great length. A fine garden rose.

**LADY ALICE STANLEY**—(H. T.)—Large, full flowers of lovely, deep coral, inside pale flesh. A free grower and a profuse bloomer.

**LA DETROIT**—(H. T.)—A beautiful shell-pink shading in center to soft rose pink. Reverse of outer petals creamy-flesh tint, strong grower.

**LADY ASHTOWN**—(H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large.

**LADY BATTERSEA**—(H. T.)—Long, oval buds, sharply pointed; bright, cherry crimson.

**LA FRANCE**—(H. T.)—A silvery rose, changing to pink. A general favorite. Sweetest of all roses.

**MAD. ABEL CHATENAY**—(H. T.)—Color beautiful rosy carmine, with darker shadings.

**MAMAN COCHET**—(T.)—Color is a deep rosy pink, the inner side of the petals silvery rose.

**MADAME JULES GROLEZ**—(H. T.)—Bright China Rose; large, full and perfect form; very floriferous; splendid for bedding and massing. Otherwise named the Red Kaiserin.

**MISTRESS ARTHUR ROBERT WADDELL**—(Pernet-Ducher, 1908)—(H. T.)—Long and pointed buds of rosy-scarlet, opening coppery-salmon; large, semi-double and extremely showy. A fancy forcer and rampant grower with exceptionally handsome foliage and an excellent keeper.

**RADIANCE**—Long, straight canes with handsome foliage each terminating in a large full flower of globular form of great sweetness. Color rich bright cerise, entirely distinct from any other known variety.

**RICHMOND**—(H. T.)—Vivid red buds and flowers of the most perfect and desirable form.

**SOUV. DE PRESIDENT CARNOT**—(H. T.)—Lovely shell-pink, delicately tinted with gold fawn on rich creamy white. Superb for bedding.

**WHITE MAMAN COCHET**—(T.)—Immense size, exquisitely fragrant; long, pointed buds.

**WINNIE DAVIS**—Fine apricot pink shading to the flesh tint at base of petals. A grand hardy garden rose.

**ORDER YOUR ROSES EARLY.** We may be temporarily out of some varieties which can be furnished later in the season if we have your order on hand.

**Your Roses need a good Fertilizer. We recommend the following:**

### SHEEP GUANO

The best natural manure, dried and ground. Concentrated, soluble; quick in action, and free from weed seed. Splendid for vegetables; fine for roses and flowers. Excellent for lawns.

**10 lbs 45c, 25 lbs 75c, 50 lbs \$1.25, 100 lbs \$2.00, ton \$37.50, F. O. B. Spokane.**

### BONE MEAL

Fine ground, is one of the best fertilizers. This is the only grade of Bone Meal, and is reduced by improved machinery to an even fineness—nothing is added. This is a very valuable enricher of the soil, and one of the most economical at present prices.

**5 lbs 30c, 10 lbs 50c, 100 lbs \$4.25, F. O. B. Spokane.**

**APHISCIDE—A Sure Remedy for APHIS on ROSES—See Sprays**

**BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG**

## Finest Hardy Perpetual Roses

**F**OR Eastern Oregon and Washington or in sections where the winters are severe, this collection will thrive and bloom freely where the Tea and Hybrid Tea roses would not prove satisfactory.

Two-year old plants, not prepaid, 85c each; \$10.00 per doz.



*Frau Karl Druschki*

**AMERICAN BEAUTY**—(H. P.)—One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner.

**BARONESS ROTHSCHILD**—(H. P.)—Flowers of immense size; color bright rosy pink.

**CAPTAIN CHRISTY**—Color, a lovely shade of pale peach, deepening at the center to a rosy crimson; flowers very large, sweet and exquisitely beautiful. Sturdy, almost thornless canes, each topped with a magnificent flower.

**CAPTAIN HAYWARD**—This is probably the grandest of all red Hybrid Perpetuals. The bloom is of the largest size. Color, deep glowing red, flushed with crimson. A free bloomer; deliciously perfumed.

**CLIO**—Vigorous growth; large handsome foliage; flowers flesh color, shaded in the center with rosy pink, very large, fine globular form and freely produced.

**CONRAD F. MEYER**—A most valuable addition to the list of hardy free-blooming roses. The color is a beautiful pure silvery pink.

**EUGENE FURST**—(H. P.)—Color deep red shaded crimson. Profuse bloomer. A most charming and superbly grand rose.

**FRAU KARL DRUSCHKI**—(H. P.)—The white American Beauty. Makes splendid buds and immense flowers; perfectly double.

**GENERAL JACQUEMINOT**—(H. P.)—Bright, shining crimson; very rich and velvety.

**GEORGE DICKSON**—Very large, full and perfectly formed flowers freely produced. Color, blackish crimson of velvety texture, reverse of petals heavily veined with crimson maroon. A magnificent rose, invaluable for exhibition.

**GEORGE AREND**S—This fine new Hybrid Perpetual Rose bears some resemblance in growth and bloom to that famous hardy white rose *Frau Karl Druschki*. The flowers are of large and massive proportions, surmounting stout almost thornless canes in a most imposing manner. The color is a delightful fresh and bright shade of pink with silvery suffusions. This new sort impresses us as one of the finest in many years.

**GLOIRE DE MARGOTTIN**—Brilliant scarlet; the brightest colored rose yet raised; beautiful long pointed buds opening into a large globular flower; should be in every collection.

**GLOIRE LYONNAISE**—(H. P.)—Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet, very distinct.

**GRUS AN TEPLITZ or VIRGINIA R. COXE**—(H. T.)—Color, fiery crimson, with a dark velvety sheen, very fragrant. Free blooming.

**HUGH DICKSON**—(H. P.)—Glowing crimson-shaded scarlet. A strong grower and perpetual bloomer (should be cut back freely).

**JOHN HOPPER**—A beautiful dark pink.

**MADAME CAROLINE TESTOUT**—A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. One of the handsomest roses and should be planted extensively.

**MARGARET DICKSON**—Large flowered and extra vigorous, white tinted with flesh next to center.

**MARSHALL P. WILDER**—Bright cherry carmine, very fragrant; one of the freeest bloomers.

**MRS. JOHN LAING**—(H. P.)—A soft, delicate pink, with satiny tinge; very free flowering.

**MRS. R. G. S. CRAWFORD**—Grandly formed flowers of warm, delicate pink, the heavy petals finely imbricated.

**PRINCE CAMILLE DE ROHAN**—(H. P.)—Dark, rich, velvety crimson, passing to intense maroon, shaded black; best of its color.

**PAUL NEYRON**—(H. P.)—Deep, shining rose, blooms freely, the largest variety in existence.

**PINK DRUSCHKI**—(Geo. Arends)—(H. P.)—Moderately large full flower of beautiful bright pink. Is of free flowering habit and highly perfumed. Considered the best of the so-called pink Druschki.

**ULRICH BRUNNER**—(H. P.)—Extra large, bold flowers, full and globular; color, rich, glowing crimson, elegantly flamed with scarlet.

**DIAMOND LAWN AND ROSE FERTILIZER** worked into the top soil early in the season—about a handful to each established plant—will produce a vigorous growth, more and better roses. See Page 43

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## Climbing and Pillar Roses

Two-year-old bushes, field grown, not prepaid, 85c each (except as noted)

**AMERICAN PILLAR**—(WICH)—A beautiful bright pink with yellow anthers.

**CL. AMERICAN BEAUTY**—Heavy, strong grower, hardy everywhere. Color rich red, passing to crimson, very popular.

**CLIMBING BELLE SIEBRECHT**—(C. H. T.)—Flowers identical with bush type; vigorous climber; hardy.

**CLIMBING CECIL BRUNNER**—Clusters of pretty pink flowers, especially beautiful in bud.

**CLI. MADAME CAROLINE TESTOUT**—Immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

**CLI. SUNBURST**—A splendid climber of the same beauty and freedom of bloom as the bush form of this popular rose. **Each \$1.00**

**CL. GRUSS AN TEPLITZ**—A perfect sheet of crimson when in bloom. It's the same as the bush Teplitz.

**CLI. MADAME ALFRED CARRIERE**—Full flowers, very double and sweet; color rich creamy white, faintly tinged pale yellow and blush.

**SILVER MOON**—Magnificent large white semi-double blooms of good substance with golden stamens. Flowers are carried on long stems. Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew.

**MARECHAL NEIL**—A magnificent deep golden yellow variety; so famous as to need no description; finest of its color. **Each \$1.25**

**LADY GAY**—Delicate pink, slightly larger than Dorothy Perkins which it greatly resembles.

**DR. VAN FLEET**—Large, fully double blooms of a dainty flesh pink with rosy center. Flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green. **Each \$1.00**

**WILLIAM A. RICHARDSON**—Rich coppery yellow flushed carmine; a beautiful variety. **Each \$1.00**

## The Popular Rambler Roses

*The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season.*

2-year-old plants, not prepaid, 75c each

**FLOWER OF FAIRFIELD**—Brilliant crimson, base of petals white; a splendid grower and a great improvement over the old type.

**PHILADELPHIA RAMBLER**—An improved type of the favorite Crimson Rambler; color deeper and more brilliant; flowers double.

**VEILCHENBLAU** (Blue Rambler) — Large trusses of semi-double flowers, opening pink, but quickly change to a violet, or steel blue.

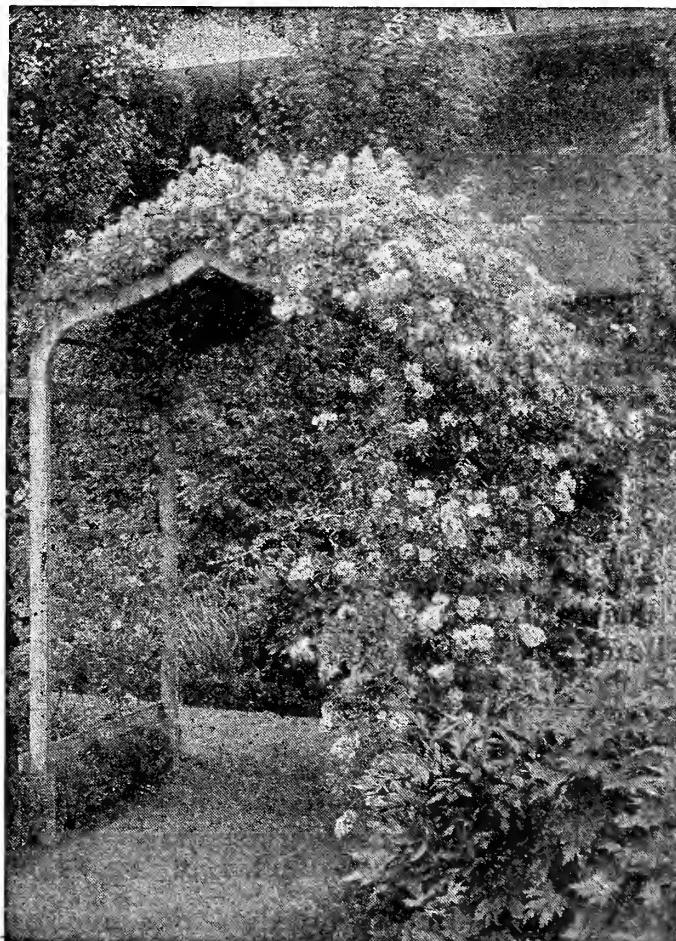
**DOROTHY PERKINS**—Polyanthus type; a beautiful bright shell-pink; large double flowers.

**RED DOROTHY PERKINS**—Fine crimson rambler; glossy green foliage; never troubled with mildew. Flowers very double.

**WHITE DOROTHY**—A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, white flowers.

**TAUSENDSCHEIN**—A lovely shade of soft pink, free and vigorous; splendid foliage.

**YELLOW RAMBLER**—Pure, bright yellow same type and growth as crimson Rambler.



**NOTE**—We have a large list of ROSES not catalogued on account of having but a limited supply of each variety. Should you not find what you want in the foregoing list, it may be possible we can fill your order and should we not have the variety in stock, if obtainable in the City we will secure it for you.

**DIAMOND LAWN GRASS MIXTURE** makes an evergreen velvety turf. Special mixtures to order.

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## Baby Rambler or Dwarf Polyanthus Roses

Two-year old plants, not prepaid, 85c each.

**BABY DOLL**—Yellow edged pink.

**BABY ERNA TESCHENDORF**—Crimson White Cecil Brunner.

**BABY RAMBLER**—(Dwarf Bush Type)—Not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage.

**CECILE BRUNNER**—Bright, rose, yellowish in center; very sweet; dwarf polyanthus.

**GEORGE ELGER**—Free blooming, erect growth, golden coppery yellow.

**PINK BABY RAMBLER**—(Mrs. W. Cutbush)—Clusters of pretty double bright pink flowers; freely produced in panicles; always in bloom.

## ALPHABETICAL LIST OF ROSES

Price	Page	Price	Page	Price	Page
Admiral Ward.....	\$ 1.00	21	George Dickson .....	\$ .85	24
American Beauty.....	.85	24	Gloire De Margottin.....	.85	24
Baby Ramblers.....	.85	26	Gloire Lyonnaise.....	.85	24
Baroness Rothschild.....	.85	24	Gruss an Teplitz.....	.85	24
Bessie Brown.....	.85	23	H. V. Machin .....	1.00	20
Betty .....	.85	22	Hadley.....	1.00	20
British Queen.....	.85	23	Helen Gould .....	.85	22
Captain Christy.....	.85	24	Hoosier Beauty.....	1.00	21
Captain Hayward.....	.85	24	Hugh Dickson.....	.85	24
Cecile Brunner.....	.85	26	John Hopper.....	.85	24
Champ Weiland.....	.85	23	Jonkheer J. L. Mock.....	.85	22
Clara Watson.....	.85	23	Joseph Hill.....	.85	22
Clio.....	.85	24	Juliet .....	1.00	23
Cli. Roses.....	—	25	Kais. Aug. Victoria.....	.85	22
Conrad F. Meyer.....	.85	24	Killarney Pink.....	1.00	23
Countess Clanwilliam..	1.00	20	Killarney Queen.....	.85	23
Countess of Gosford.....	.85	23	Lady Alice Stanley.....	.85	23
Dean Hole.....	.85	23	Lady Ashtown .....	.85	23
Dorothy Page Roberts.....	.85	23	Lady Battersea .....	.85	23
Duchess of Sutherland..	1.00	20	Lady Hillingdon .....	1.00	21
Duchess of Wellington..	1.00	21	Lady Mary Ward.....	1.00	20
Edward Mawley.....	.85	22	La Detroit.....	.85	23
Etoile De France.....	.85	23	La France .....	.85	23
Etoile De Lyon .....	.85	23	Lyon .....	1.00	22
Franz Deegan.....	.85	22	Los Angeles .....	1.50	20
Frau K. Druschki.....	.85	24	Louise Catherine Bres- lau .....	1.00	21
Eugene Furst .....	.85	24	Mabel Drew.....	.85	22
Gen. Jacqueminot.....	.85	24	Mad. Abel Chantenay..	.85	23
Gen. McArthur.....	.85	23	Mad. Car. Testout .....	.85	24
Cen. Sup. A. Janssen...	.85	23	Mad. Edouard Herriott.	1.25	21
Geo. Arends.....	.85	24			

## Miscellaneous Ornamentals

**ST. JOHNS WORT (Hypericum Moserianum)**—Low growing with yellow blooms; a drought resister. July and August. **Clumps 50c**

**TRITOMA (Pfitzeri)**—Or Red Hot Poker—Rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; winters best if lifted and stored in sand. Fine for borders or mass effects.

**Strong flowering roots 25c, doz. \$2.50, postpaid.**

**Filamentosa**—Thread leaved, creamy white; July. **Plants, 2 feet, each \$1.00 to \$2.50**

**PRIVET (Evergreen)**—One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning.

**1-year old plants, 10 to 18 inches, 10 plants \$2.50; 100, \$10.00.**

**2-year old plants, 1½ to 2 feet, 10 plants \$3.00; 100, \$15.00.**

**YUCCA**—Spanish Bayonet or Adam's Needle—Bell-shaped flowers on laterals, forming a perfect pyramid; fine for rockwork. 2 to 3 feet.

## Flavoring and Medicinal Herbs—Plants

**CHIVE**—Has mild onion flavor, grows in grass-like clumps; much used for flavoring.  
**Each 15c; doz. \$1.50**

**ROSEMARY**—Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil.  
**Each 25c; doz. \$2.50**

**PEPPERMINT**—Hardy perennial for producing oil.  
**Each 25c; doz. \$2.50**

**THYME**—Broad leaved, used in soup, stuffing and sauce.  
**Each 25c; doz. \$2.50**

**LAVENDER**—By distillation produces the well-known Lavender water, the flowers for perfuming wardrobes, etc. **Each 25c; doz. \$2.50 Large clumps each 50c**

**SWEET MARJORAM**—The sweet aromatic leaves are used in either the green or dry state.  
**Each 20c; doz. \$2.00**

**SAGE (Giant)**—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage Tea. The Giant Sage is a greatly improved variety.  
**Each 15c; doz. \$1.50**

**APHISCIDE — THE BEST SUMMER SPRAY FOR ROSES. Quarts, 35c; Gallons, 65c**



## ORNAMENTAL CLIMBING VINES

### Clematis

Clematis is one of the most beautiful and useful climbers. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support.

**VILLE DE LYON**—Red

**HENRYI**—Fine, large, creamy white flowers; a strong grower and very hardy.

**JACKMANII**—Intense violet purple, with a rich velvety appearance; distinctly veined.

Large plants, each \$1.00, postpaid

**CLEMATIS PANICULATA**—A rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; well adapted for covering trellises or fences.

Choice plants, each 50c; large 75c

### Honeysuckle

**BELGIAN**—Flowers yellow, blotched with red above; blooms all summer, fragrant. Each 75c

**JAPANESE**—Evergreen; fragrant flowers white changing to yellow. Each 75c

**JAPONICA**—(Chinese Twining) — Flowers nearly white, distinct. Each 75c

**KUDZU VINE**—(*Pueraria Thunbergiana*)— Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August; rosy-purple, pea-shaped; in small racemes. Each 75c

**HALL'S**—Evergreen, very popular; white turning to yellow. Each 75c

**WHITE TARTARIAN HONEYSUCKLE**— Large bushy upright growth, flowers freely and red or orange fruit stays on until late. Fine for backgrounds. Each 50c to 75c

### English Ivy

Large, thick, shining, leathery leaves; evergreen. Each 35c

### Euonymus

**RADICANS**—A most beautiful evergreen vine of vigorous growth and perfect hardiness. Clings to stone or brick. Most valuable introduction of recent years and takes the place of ivy. Each 75c

**RADICANS VARIEGATA**—A beautiful variegated variety of the above. Rich green foliage distinctly marked with white. Fine for low stone walls. Each 75c

**ANNUAL VINES**—*Cobaea Scandens*, *Wild Cucumber*, *Canary Bird*, *Morning Glory*, *Nasturtiums*, etc.—**SEEDS AND PLANTS IN SEASON**

### Wistaria

**W. SINENSIS**—(*Chinese Wistaria*)—Grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in Autumn.

Choice plants \$1.50 to \$2.50

**WISTARIA CHINENSIS VARIEGATED**—Yellow variegated leaves, pretty after flowering for the beautiful speckled foliage which is very attractive among other green foliage. Flower same as common Chinese Wistaria. \$1.50 to \$2.50

**W. MULTIJUGA**—Similar to Wistaria Sinensis except in color of flowers which are dark violet blue, borne in very long-racemes. Each \$1.50 to \$2.50

**WISTARIA MULTIJUGA PINK**—Same as above only flowers are light pink. A very rare sort. \$1.50 to \$2.50

**W. BRACHYBOTRYS**—White flowering. \$1.50 to \$2.50

 *Small plants of Wistaria Chinensis for Spring delivery at 50c to \$1.00.*

### Ampelopsis

**ENGELMANNI**—Clings to walls without aid of artificial support; of vigorous growth. 50c, 75c, \$1.00

**VEITCHI "Boston Ivy"**—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. Each 50c, 75c, and \$1.00

**QUINQUEFOLIA "Virginia Creeper"**—Common American Ivy. Each 60c Selected stock. Each 50c, 75c, and \$1.00

### Jasmine

**JASMINE NUDIFLORUM**—Branches drooping, enveloped with bright yellow flowers before leaves appear. Each 60c

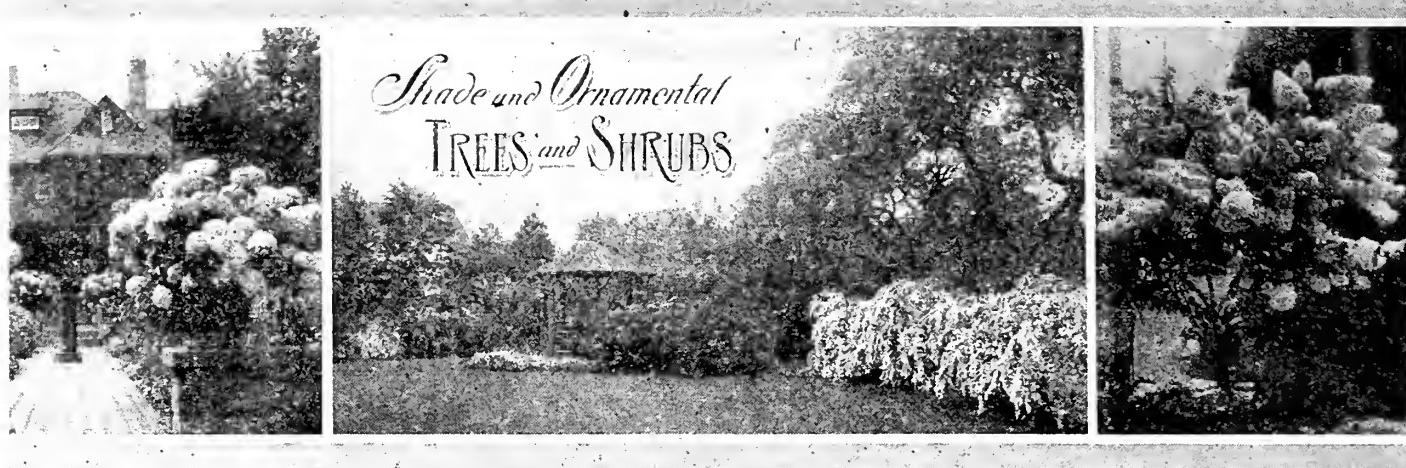
### Trumpet Vine

**BIGNONIA GRANDIFLORA**—(*Trumpet Vine*)—Strong climber; deciduous; flowers orange scarlet. Each 60c

**BIGNONIA TWEEDIANA**—Evergreen clinging; flowers canary yellow. Each 60c

### Dutchman's Pipe

**ARISTOLOCHIA SIPHO**—A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower. Strong plants. Each \$1.00



Deliveries can be made from November until May, but orders are accepted at any time for delivery in Season.

**W**E use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," **do not remove the burlap.** Plant as received, only cut the string around the top, then loosen the burlap after the tree is set. If you cannot plant immediately on receipt, always "heel" in the trees so their roots may be in contact with good soil.

Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. **Be sure to Pack the Earth Solidly Around the Roots.** The neglect of this important detail is responsible for many failures.

## DECIDUOUS SHRUBS

### Flowering Almond Price F. O. B. Spokane

PINK—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. **3 to 4 feet, \$1.00**

### Berberry

PURPLE LEAVED—Having purple foliage, very pretty. **Clump 60c each**

B. THUNBERGII—Japanese. Dwarf habit; foliage changes to a beautiful red in autumn; good hedge plant. **2 to 3 ft., each 60c to 75c**

### Buddleia

BUDDLEIA—"Butterfly Bush"—"Summer Lilac"—**Each 60c to \$1.00; With ball of earth, \$1.25.**

CALYCANTHUS—(Carolina Allspice)—

**Each 50c to 75c**

CARAGANA—(Siberian Pea Shrub)—

**Each 75c to \$1.50**

CLETHR A ALNIFOLIA (Sweet Pepper Bush)

**Each 60c to 75c**

CORAL BERRY (Indian Currant)—

**Each 35c to 75c**

### Cranberry

HIGH BUSH CRANBERRY—Handsome, dense, brilliant green foliage, a rich setting of large bunches of crimson berries which enliven the late summer.

**2 to 3 feet, each 60c**

**3 to 4 feet, each 85c**

**4 to 5 feet, each \$1.00 to \$1.50**

### Currant

FLOWERING—Graceful flowers and berries red. Desirable for shady spots. **3 to 4 ft. 75c**

### Dogwood (Cornus)

Siberian Red Osier.

Large Leaved.

Cornelian Cherry.

Variegated.

Red Osier.

**Each 50c to \$1.00**

### Deutzia

PRIDE OF ROCHESTER—Double white. **3 to 4 feet, \$1.00**

Double, white Crenata.

Pride of Rochester, pink.

Gracilis, dwarf, white.

Lemoines, white.

**Each 50c to \$1.00**

### Elder

GOLDEN LEAVED—Foliage retains its bright golden color through summer. **4 ft. 75c**

American, Sambucus.

Golden Leaved.

Cut Leaved.

Red Berried.

**Each 50c to \$1.00**

ELEAGNUS LONPIPES—(Japan Oleaster)—"Silver Thorn." **Each 75c to \$1.00**

FORSYTHIA—(Golden Bell)—

Fortunei.

Sieboldi.

**2 to 3 feet, each 60c**

Suspensa. **3 to 4 feet, each 75c to \$1.00**

**Our DIAMOND LAWN GRASS makes an Evergreen, Velvet Turf**

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## Deciduous Shrubs--Continued

### Filbert

**PURPLE LEAVED**—Leaves and husks purple, very ornamental. Nuts good. **3 to 4 ft. \$1.00**  
**Du Chilly**—Large elongated nuts, very sweet.

### Honeysuckle

**BUSH**—Very beautiful. **3 to 4 feet 75c.** For others, see vines.

**EVERGREEN BUSH HONEYSUCKLE**—(*Loniceri Nitida*)—Erect growing medium size bush with luxuriant foliage, the small leaves being leathery and glossy; the flowers are cream white and fragrant.

**2 to 3 feet, each \$1.50**

**Fragrant**, upright.

**Japanese, Morrowi.**

**White Tartarian.**

**Pink Tartarian.**

**2 to 3 feet, each 60c**

**3 to 4 feet, each 85c**

**4 to 5 feet, each \$1.00 to \$1.50**

### Hydrangea

**PANICULATA GRANDIFLORA**—Immense panicles of bloom, from July to November, creamy white, pink flush. Prune back in early spring, about half of previous year's growth. Hardy everywhere; good for cemetery planting.  
**2 ft. each 60c 3 ft. each 85c 4 ft. each \$1.00**  
 "Hills of Snow" or Snowball Hydrangea. Oak leaved. Fine.

### Lilacs—*Syringa Vulgaris*

**COMMON PURPLE**—Very fragrant, an old favorite. **3 to 4 feet 75c**

**COMMON WHITE**—Same as above, flowers white. **3 to 4 feet 75c**

**CHAS. X (Single)**—A strong rapid grower; trusses large and loose, color reddish purple.

**MARIE LE GRAYE (Single)**—Flowers large, beautiful creamy white; bush dwarf.

**MICHEL BUCHNER (Double)**—Pale lilac.

**PRES. GREVY (Double)**—Magnificent, beautiful blue panicles; very large.

**LUDWIG SPAETH (Single)**—Very fine; trusses large; deep purple.

**MME. LEMOINE (Double)**—White color; fine for winter forcing.

**PRES. CARNOT (Double)**—Fine, lavender, with white center, late flowering.

**GRAFTED STANDARDS 6 feet, each \$2.00**

**CHOICE PLANTS 3 to 4 feet, each \$1.00 to \$1.50.**

### Oregon Grape

**MAHONIA, OREGON GRAPE. B. & B. \$1.00**

### Mock Orange (*Philadelphus*)

**GRANDIFLORA**—Flowers large. Slender twig habit. **3 to 4 feet, each 50c**

**HYBRID. 2 to 3 ft. 60c**

**PHILADELPHUS, SYRINGA.**

**AVALANCHE.**

**LARGE FLOWERED GRANDIFLORA.**

**GORDONS. 2 to 3 feet, each 60c**

**3 to 4 feet, each 85c**

**4 to 5 feet, each \$1.00**

### Privet

**AMOOR RIVER.**

**CALIFORNIA.**

**IBOTA.**

**ENGLISH.**

**2 to 3 feet, each 35c; per 10 \$3.00**

**3 to 4 feet, each 50c; per 10 \$4.00**

### Rhodotypos

**RHODOTYPOS**—(White Kerria). **Each 75c**

**PURPLE FRINGE, SMOKE TREE**—*Rhus*.

**RHUS COTINUS**—*Atropurpurea*.

**SMOOTH SUMAC**—*Rhus glabra*.

**CUT LEAVED SUMAC.**

**RUSSIAN OLIVE**—*Eleagnus*.

**Each 75c to \$1.50**

### Rosa Rugosa

The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests.

**ROSA RUGOSA RUBRA**—Rosy crimson; orange-scarlet fruits. **Each 75c**

**ROSA RUGOSA ALBA**—White. **Each 75c**

### Quince

**JAPONICA (Japan Flowering)**—Blossoms vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but not edible. **2 to 3 ft., each 60c to 75c**

### Tamarix

**JUNIPERINA**—Ornamental tree with soft, Juniper-like leaves, pink flowers. **3 to 4 ft 75c**

### Weigelia

**CANDIDA**—Flowers white, bush tall. **75c**

**ROSEA**—Flowers light pink, shrub compact. **75c**

**EVA RATHKE**—Flowers red, one of the best. Slightly dwarf. **75c**

**VARIEGATED**—Leaves become silver white. **75c**

### Snowball

**JAPANESE**—Flowers pure white, delicate large globular heads, in May. **2 to 3 feet 85c**

**COMMON**—Flowers globular, pure white, in May. **3 to 4 feet, each 75c**

### Spiraes

**ANTHONY WATERER**—Blooms about the close of June; flowers red.

Clumps, each 75c. **12 to 18 inches 60c; 18 to 24 inches 85c.**

**BILLARDI**—Produces fine, rose-colored flowers, blooms nearly all summer. Clumps, each 60c

**PRUNIFOLIA, BRIDAL WREATH**—The pretty double white flowers usually expanding about May 1. **Clumps, each 75c**

**THUNBERGII**—Branches slender and somewhat drooping; foliage yellowish-green; flowers small, white, appear early.

Clumps, each 60c to \$1.00. **2 to 3 feet, each 50c; 3 to 4 feet, each 75c**

**VAN HOUTTE**—The grandest of all the Spireas. When in flower it is a complete fountain of white bloom, the foliage hardly showing; hardy and an early bloomer.

**Large Clumps, \$1.00 to \$1.50**

# SHADE AND ORNAMENTAL TREES



SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with a star (\*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet off the ground.

We shall be pleased to give quotations to persons desiring large numbers.

Prices of the following are for the 6 to 8 feet grade, excepting where otherwise specified.

## DECIDUOUS TREES

### Ash

**AMERICAN WHITE**—Broad, round head and dense foliage. Very fine. Each 60c; 10, \$5.00

### Basswood (See Linden)

### Beech

**PURPLE LEAVED**—Foliage is deep purple in the spring, changing to crimson in the fall.  
5 to 6 feet, each \$3.00

**EUROPEAN BEECH.** Each \$2.00

### \*Birch

**EUROPEAN WHITE**—Silvery white bark and slender drooping branches. \$1.50 to \$3.00

**CUT LEAVED**—Delicately cut foliage, silvery white bark and drooping branches. 5 to 6 feet.  
Each \$2.00

**BLACK WALNUT**—Tree a rapid grower, producing a large round nut of excellent quality.

### Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. 4 to 5 ft., ea. 75c to \$1.50

### Catalpa

Splendid trees, white flowers, bright foliage.  
**CATALPA BUNGEI**—Forms a dense, round, umbrella-like head. Each \$3.00 up

**\*CATALPA WESTERN (Speciosa)**—Very rapid grower, fine as a quick shade.  
6 to 8 feet, each \$1.50

### Crab-Flowering

**BECHTELS**—Fragrant pink flowers. In appearance a tree of roses. 3 to 4 ft., ea. \$1.50  
**Common Flowering Crab.** 3 to 4 ft., \$1.50

### Dogwood—*Cornus Florida*

**WHITE FLOWERING**—Flowers white, 3 in. in diameter, blooming before leaves come in spring. Price, 4 to 5 ft., ea. \$1.50; 10, \$12.00  
**RED FLOWERING.** 2 to 3 ft., each \$2.50

### \*Elm

**\*CORK BARK**—Desirable for street planting. Young branches very corky. Each \$1.25

### Hawthorne

**DOUBLE SCARLET**—Small tree, spreading branches, crimson flowers. Ea. \$1.00 to \$3.00

**SINGLE WHITE**—Flowers small, leaves lustrous green color. Each \$1.00 to \$3.00

### Horse Chestnut

**\*WHITE**—Foliage showy, flowers stand in upright panicles. Each \$1.50 to \$3.00

**\*RED**—Same flower as above; flowers red. Each \$1.50 to \$3.00

### \*Laburnum (Golden Chain)

Small growing tree, with long, drooping racemes of fragrant yellow flowers.

5 to 6 feet, each 75c to \$1.50

### Linden

5 to 6 feet, \$1.50; 7 to 8 feet, \$2.25; 1 1/4 to 1 1/2 inches, \$2.50; 1 1/2 to 1 3/4 inches, \$3.00; 2 to 2 1/2 inches, \$4.00.

**AMERICAN**—Shapely and handsome, foliage large. Each \$1.50 and up

**EUROPEAN**—Similar to American, leaf smaller. Fine. Each \$1.50 and up

We offer splendid values in the most useful and ornamental Shade Trees—large vigorous stock that can be transplanted without loss. *Special low prices on large orders*

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## Deciduous Trees--Continued

### Locust

**BLACK**—Also called Yellow Locust. A large native tree of rapid growth, valuable for shade as well as quite ornamental. The yellowish white flowers are in long pendulous racemes and appear in June. Wood is very valuable for posts, growing quicker to a given size than any other hardwood tree. **Each 75c; 10 \$6.50**

**HONEY**—Rapid grower, a drought resister; fine for hedge or wind-break. **Each 75c**

**THORNLESS HONEY LOCUST**—A handsome tree of slender habit, almost spineless, and therefore more suitable for lawns.

### \*Mountain Ash

**AMERICAN**—Foliage orange-red in Fall. Red berries remain on tree most of winter.

**5 to 6 feet, each \$1.25 and up.**

**EUROPEAN**—White flowers, then beautiful red berries. **5 to 6 feet, each \$1.25 and up.**

### Maple

**NORWAY MAPLE**—One of the most valuable ornamental trees for street or lawn. More are used over the entire country than any other tree for street and roadway planting. Plant your trees now when the price is low. Exceptionally fine straight trunked, well rooted trees: **6 to 8 feet, \$1.50; 6 to 7 feet, \$1.50; 7 to 8 feet, \$2.00; 1½ to 1¾ inches, \$2.50; 1¾ to 2 inches, \$3.00.**

**ASH-LEAVED (Box Elder)**—Rapid grower, fine street tree, foliage ash-like.

**Each \$1.50 and up.**

**VARIEGATED ASH-LEAVED MAPLE**—Fine for lawn or street plantings. **Each 75c to \$2.00**

**TARTARIAN GINNALA**—(Siberian Maple)—More like a large shrub, with three-lobed leaves and flowers in long panicles. Foliage turns bright red in autumn.

**\*SYCAMORE**—Tree large and spreading with handsome foliage. **Each \$1.50 and up.**

**SILVER**—A rapid grower, graceful and very beautiful; leaves silvery. **Each \$1.50 and up.**

**\*NORWAY**—Large, growth compact; foliage deep green. Handsome. **Each \$1.50 and up.**

**PURPLE LEAF SYCAMORE**—Purplish green foliage, sycamore-like. **Each \$1.50 and up.**

**SUGAR OR HARD**—A rapid grower and a shapely tree with beautiful autumnal coloring. **Each \$1.50 and up.**

## Weeping Trees

### Birch

**CUT LEAVED**—Slender drooping branches, silvery white bark. Beautiful green finely cut foliage. **Each \$1.50 to \$3.00**

### Elm

**CAMPERDOWN WEEPING**—Vigorous branches forming a roof-like head. **Each \$2.50 and up.**

### Mulberry

**TEA'S WEEPING**—Branches long and slender drooping parallel to trunk. **Ea. \$2.25 and up**

**SPRAY, CULTIVATE AND FERTILIZE YOUR TREES**—And their rapid growth and development will surprise you. See page 44 for partial list of Sprays and Fertilizers

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

### Maple (Japanese)

**FINE LEAF**—Red. **Each \$3.00 and up.**  
**GREEN VARIEGATED**. Each \$2.00 and up.

### Mulberry

**NEW AMERICAN**—Hardy, large leaves, berries large, edible. Ripen from June to September. **4 to 6 feet, each \$1.00 and up**

**RUSSIAN MULBERRY**. Very hardy, vigorous grower. Fruit of small size. **Ea. \$1.00 and up**

### Oak

**ENGLISH**—Low growing, spreading habit and rapid growth. **Each \$2.00 and up.**

**SCARLET**—Pyramidal shape, foliage changes to bright red in Fall. **Each \$2.00 and up.**

### Persimmon

**KOELREUTERIA — *Paniculata* — (Varnish Tree).** **Each \$1.00 to \$2.00**

### Poplar

**\*CAROLINA**—A very rapid grower. **5 to 6 feet, each 50c; 10, \$4.00**

**7 to 8 feet, each 75c; 10, \$6.50**

**9 to 10 feet, each \$1.00; 10, \$9.00**

**BOLLE'S SILVER**—Tall growing and compact. Glossy green leaves above, silvery underneath. **Each 75c; 10, \$6.50**

**LOMBARDY**—Rapid growing tree of pyramidal type. **Each 75c; 10, \$6.50**

### Prunus Pissardi

Foliage and fruit entirely red. Plums very good quality. **Each \$1.50**

### Prunus Vesuvius

Rich red luxuriant foliage. Holds color late in the Fall. **4 to 6 feet, each \$1.50**

**PRUNUS TRILOBA** — (Double Flowering Plum). **Each \$1.50**

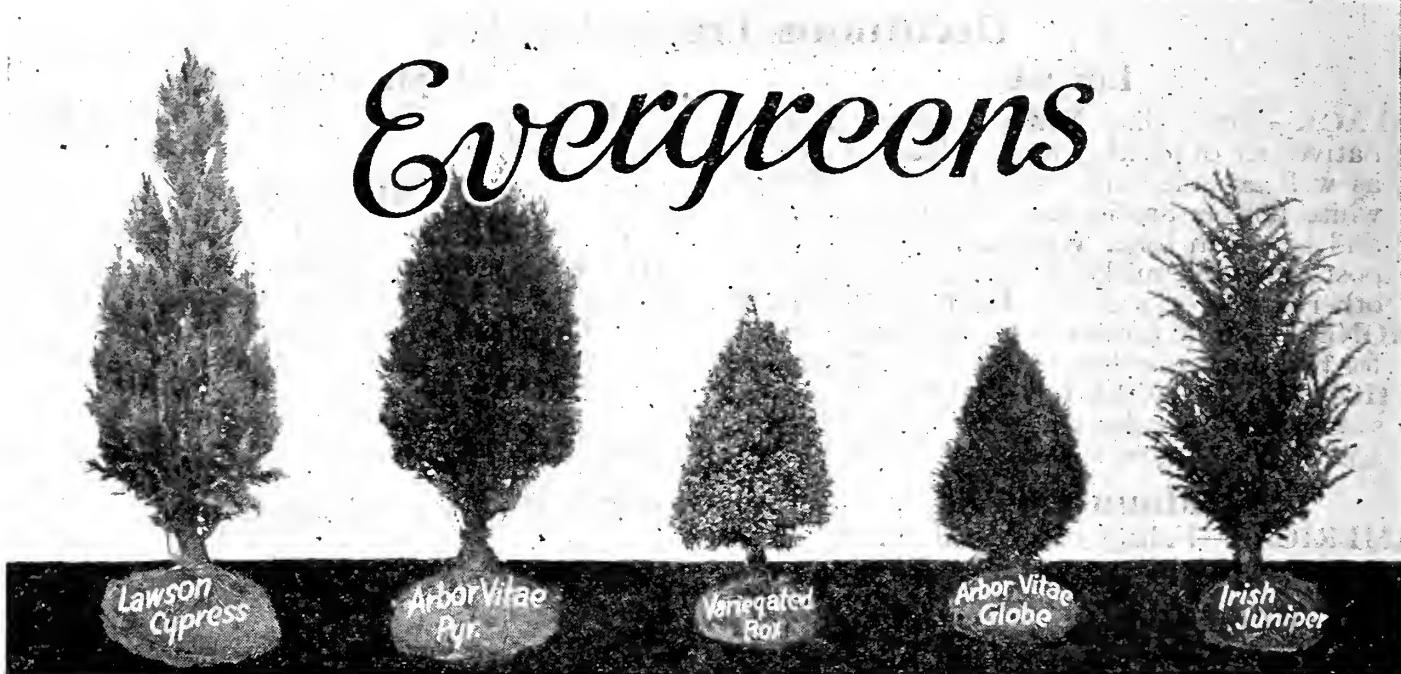
### Tulip Tree

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped.

**5 to 6 feet, each \$1.50**

### Seedling Walnuts

**FRANQUETTE AND MAYETTE**—Second generation, soft shell, selected stock. Trees hardy and prolific bearers.



### Arborvitae

**\*AMERICAN**—Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. **2 to 3 feet \$1.50**

**GOLDEN**—Elegant; habit regular; foliage tinged with gold in spring. **2 to 3 feet \$3.00**

**AMERICAN VARIEGATED PYRAMIDAL**—Foliage dark green. **2 to 3 feet \$1.50 to \$2.00**

**ORIENTAL**—Close ascending branches of a fan shaped appearance. **2 to 3 feet \$1.50 to \$2.00**

### Broom

**SCOTCH**—Branches drooping, covered in spring with bright yellow flowers. **3 to 4 feet \$1.25**

**WHITE FLOWERING**—Same as Scotch; flowers white. **3 to 4 feet \$1.00**

**SPANISH**—Upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer. **3 to 4 feet 75c**

### Cedrus

**RED CEDAR (T. Virginiana)**—Handsome rich green very distinctive in form and foliage.

**Price, \$1.50 to \$5.00 and up**

### Cotoneaster

Splendid for low walls, rock work, terraces, etc. Foliage is small, of a rich green, and in the Fall the plants are covered with bright red berries that remain for a long period. We offer three varieties.

**Choice Plants, \$1.00 to \$1.50 each**

### Cypress

**\*LAWSON'S**—Branches horizontal; foliage dark green. **2 to 3 feet \$2.00.**

**LAWSON BLUE**—Of slender habit with silvery foliage. **Each \$3.00**

**ALLUMII**—Bright blue. **Each \$3.00**

**LAWSONIANA DARLYENSSI**—A strong grower; color a fine bright yellow. **Each \$3.00**

### Fir

**AMERICAN BALSA**—Prized for its delightful aroma. **1½ to 2 feet \$2.00**

**EUROPEAN**—Splendid; branches spreading, foliage broad and silvery. **2 to 3 feet \$3.00**

**NORDMAN'S**—Lustrous, deep green foliage; very symmetrical. **Each \$3.00**

**WHITE**—A fine tree; rapid growth; very hardy. Very attractive. **1½ to 2 feet \$3.00**

### Hemlock

**AMERICAN**—Branches pendant and foliage deep green. **Each \$2.00**

### Holly—(*Ilex*)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices.

### Juniper

**IRISH**—Pyramidal in form, foliage silvery gray; very striking. **2 to 3 feet \$2.00**

### Laurel

**RUSSIAN**—Dwarfish, leaves dark green. **2 to 3 feet, \$2.50**

### Magnolia Grandiflora

Choice well budded trees. **2 to 4 ft, each \$2.50**

### Mahonia—*Aquifolia*

**OREGON GRAPE**—Shining, purple, prickly leaves; bright yellow flowers; berries bluish-black. **18 to 24 in. \$1.00 to \$1.50 (Balled)**

### Pine

**AUSTRIAN**—Splendid for seashore planting; growth rapid; quite hardy. **2 to 3 feet \$1.50**

### Spruce

**BLACK HILL**—A very hardy Spruce with dark green foliage. Grows somewhat slower than the Norway Spruce, but is much hardier. A fine lawn tree. **\$1.00 to \$5.00**

**\*NORWAY**—A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. **1 to 2 feet \$1.25**

**NORWAY VARIEGATED GOLDEN**—Foliage golden yellow, vigorous. **2 to 3 feet \$2.00**

**COLORADO BLUE**—The most beautiful of spruces; foliage silvery blue. **Each \$2.50**

**DOUGLAS**—Somewhat similar to our hemlock; rapid grower. **1 to 1½ feet \$1.50**

### Yew

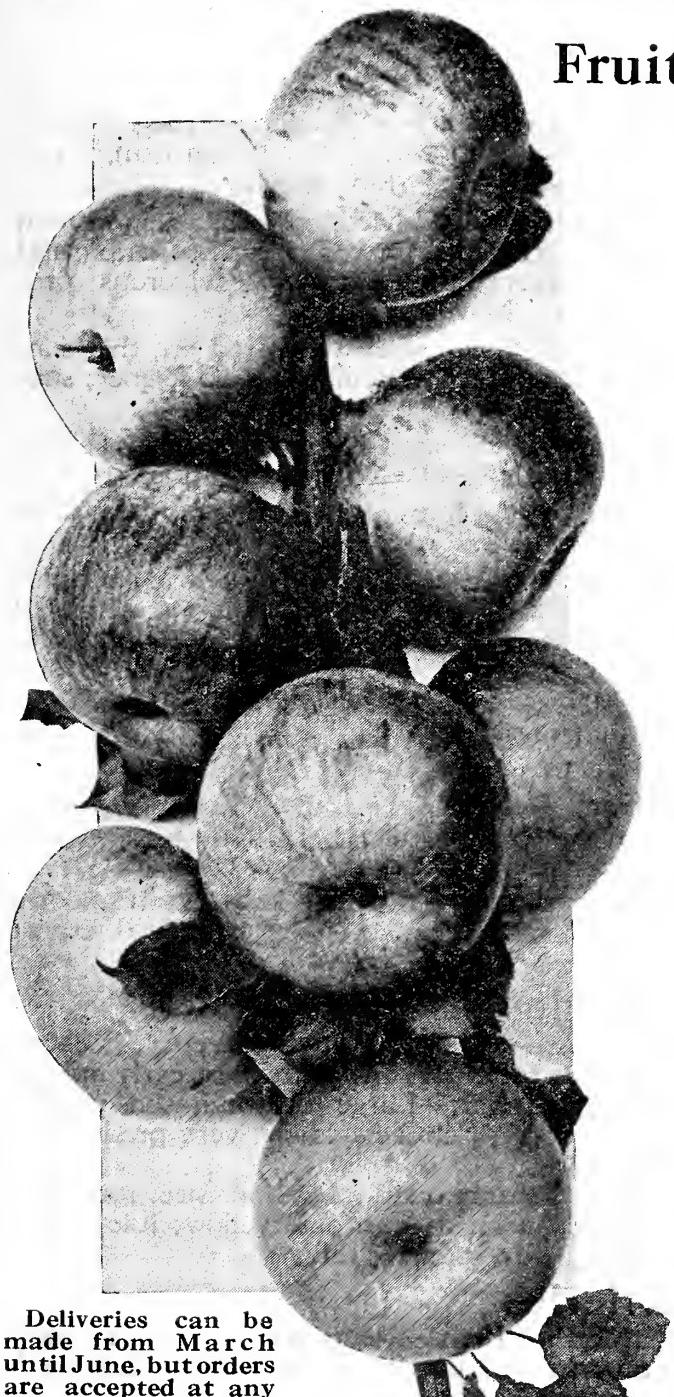
**ENGLISH**—Slow growth, densely branched, head spreading, dark green leaves. **1½ to 2 ft. \$2.00**

**VARIEGATED**—Same as Irish, but with part of foliage striped and margined with silvery white. **2 to 3 feet \$2.50**

**IRISH**—Upright, deep, dark green foliage. **2 to 3 feet \$3.50**

Prices F. O. B. Spokane.

An extra charge will be made on above, when packed for shipment, at actual cost for material and labor.



Deliveries can be made from March until June, but orders are accepted at any time for delivery in season.

## APPLES

<b>→ This is a good year to plant Apple trees.</b>	The standards of production and markets are well established, making an apple orchard a safe investment. Write for quotations on large orders.
<b>Two or 3 year old selected.....</b>	Each \$1.50 to \$2.00
<b>Two-year old.....</b>	Each \$1.25; per 10, \$11.50
<b>One-year old, 5 to 6 feet.....</b>	Each \$1.25; per 10, \$11.50
<b>One-year old, 4 to 5 feet.....</b>	Each \$1.00; per 10, \$9.00
<b>One-year old, 3 to 4 feet.....</b>	Each 85c; per 10, \$8.00

Write for our low price per 50 or 100

### Winter Varieties

**Arkansas Black**—Yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained and juicy; a long keeper. Dec. to Apr.

**Baldwin**—Deep, bright red; very productive; crisp; one of the best winter apples. Nov. to Feb.

**Ben Davis**—Yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; Oct. to Jan.

**Bismarck**—Fruit large, handsome, yellowish sometimes shaded red cheek; tender, sub-acid; seldom fails to bear when two years old. Sept.

**King**—Large, striped red and yellow; tree vigorous; good mountainous apple; Nov. to Dec.

**I**N THE PURCHASE of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

### KEEPING TREES OVER WINTER FOR SPRING PLANTING

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simple "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

**→** If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

**Delicious**—A splendid apple. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

**Gano**—Fruit is a bright red on yellow ground, oblong, smooth. Fine keeper. Nov. to Apr.

**Grimes Golden**—Rich golden yellow; flesh tender and juicy. Tree hardy and vigorous. Nov. to December.

**Jonathan**—Early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. Oct. to January.

## APPLES—Continued

### WINTER VARIETIES

**Lady Apple**—Dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

**Mammoth Black Twig**—Very large; bright red, sub-acid; fine late keeper; fine, vigorous tree. Nov. to Jan.

**McIntosh Red**—A seedling of the Fameuse; bright red, tender and delicious. Nov.

**Multnomah (New)**—A hybrid between the American Pippin and Rome Beauty. Red striped yellow; flesh white and fine; sub-acid extra long keeper and in its prime from February to June.

**Northern Spy**—Large, greenish yellow, stripes of purplish red; flesh white, juicy, sub-acid.

**Ortley, or White Belleflower**—White fleshed, fine grained conical fruit of superior flavor; one of the best. Dec. to Apr.

**Red Cheek Pippin**—Sub-acid; yellowish-green color; red cheek; large size; good bearer. Keeps till March.

**Rhode Island Greening**—Large, greenish yellow; flesh yellow; tender and crisp. October.

**Rome Beauty**—Yellow, shaded with bright red; juicy sub-acid; fine market sort; good bearer. Nov. to Feb.

**Spitzenberg**—Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. Nov. to March.

### Summer Varieties

**Early Harvest**—Medium size; bright straw color; tender and fine; good for table and cooking. July.

**Gravenstein**—Large, beautifully dashed with deep red and orange; tender and crisp; aromatic flavor. August.

### Autumn Varieties

**Waxen**—Fruit medium; skin pale yellow; sharp acid; splendid for drying. October.

**Fameuse**—(Snow Apple.) Medium size, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. Oct. to Dec.

## CRAB APPLES

4 to 6 feet \$1.25. Selected 2-year \$1.50 to \$2.00

**Florence**—Red striped; early good annual bearer, juicy and crisp; fine for home gardens. Sept. 1.

**Transcendent**—Very large, good for cider; yellow striped red. Productive. Adapted to Montana. Sept.

**Hyslop**—Large, deep crimson; hardy. Nov. Jan.

**Red Siberian**—Yellow with scarlet cheek. Bears young and abundantly. September.

**Yellow Siberian**—Fruit small, fine golden yellow. Good. Aug.

## QUINCE

**PRICES:** Each

**First Grade, 2 years.....\$1.50**

**ORANGE**—Standard variety; early; large, golden yellow; good for preserving or flavoring. September.

**MEECH**—Large, yellow; cooks tender; delicious flavor; more productive than the Orange. October.

**PINEAPPLE**—The flavor is suggestive of the pineapple; fruit resembles the Orange quince; superior for jelly; can be eaten raw; delicious flavor. Sept.

**GOULD SPRAYERS** will give and maintain the necessary pressure to spray right. They are built for lasting service. See General Catalog.

  SPRAYS AND FERTILIZERS—Page 43.

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## PEARS

**W**E CAN SUPPLY all standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

Two or 3 year selected.....	Each \$1.50 to \$2.00
Two year old.....	Each \$1.25
One year old, 5 to 6 feet.....	Each \$1.25; per 10, \$11.50
One year old, 4 to 5 feet.....	Each \$1.00; per 10, \$9.00
One year old, 3 to 4 feet.....	Each 85c; per 10, \$8.00

Write for our low price per 100

**BARTLETT**—Large; skin thin; juicy; highly flavored; best Summer pear existing. Aug., Sept.

**BEURRE BOSC**—Large, beautiful, russety; highly flavored; fine for shipping. September.

**BEURRE CLAIRGEAU**—Large, yellow, shaded orange and crimson with russet dots; flesh yellowish; juicy. September.

**BEURRE D'ANJOU**—Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

**COMICE**—A splendid commercial variety, being of fine size; good appearance; ships well. Oct.

**FALL BUTTER**—A Fall favorite; yellow, sweet and juicy. September.

**LOUISE BONNE DE JERSEY**—Large, greenish yellow, brownish red in the sun, marked with gray dots; juicy, melting. October.

**SECKEL**—Rich and highly flavored; brownish green, russet brown cheek; buttery and melting. September, October.

### Winter Varieties

**P. BARRY**—Very large yellow pear. Juicy and fine grained. Good keeper. Dec. to March.

**WINTER BARTLETT**—Fruit large, closely resembling the famous Bartlett in flavor and appearance, but ripens later.

 **PEARS** are a profitable orchard crop, and our stock this season is of extra fine quality, clean, thrifty, well-grown trees

### APRICOTS

1-year, 4 to 5 feet..... Each \$1.50  
1-year, 3 to 4 feet..... Each \$1.25

**ALEXANDER**—A Russian sort, extremely hardy. Large, oblong, mottled red. Flesh yellow, sweet, delicious flavor. Immense bearer. July.

**J. L. BUDD**—A strong, profuse bearer; large white and red fruit. Sweet and juicy. A desirable Russian variety. Ripens in July.

**MOORPARK**—Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, Aug.

**ROYAL**—Fine, large French variety. Rich, juicy, vinous flavor. Dull yellow, orange cheek and flesh. First of August.

**THE LEWIS**—The largest, strongest growing best yielding, best flavored apricot we have ever seen, perfectly hardy. Grown extensively in "Goodnow Hills" district. July, Aug.

**TILTON**—Large; rich apricot color. Highest quality flavor. Blossoms later than other varieties; extremely prolific bearer, as it usually escapes the frosts.

### NECTARINES

Price: 3 to 5 ft., each \$1.25

**BOSTON**—Large, deep yellow, bright blush; flesh yellow; rich and luscious.

**FRUIT TREES DEMAND BEES FOR PROPER POLLINATION**  
*Our Bee Supply Catalog tells why; also how to keep and handle bees. Every fruit grower needs a copy. FREE*

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## CHERRIES

**New—Abundance** (Burbank production)—A seedling of Royal Ann, larger, handsomer, sweeter and more delicious than this great favorite; ripens a week later.

Price, each, 1 year, 4 to 6 ft. \$2.00

**New—The “Burbank”**—A rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer.

4 to 6 feet—select trees, each \$2.00

### CHERRIES—SWEET

2 or 3 year old selected, each \$2.00 to \$3.00.

1 year old 5 to 6 ft., each \$1.75; per 10, \$16.50.

1 year old 4 to 5 ft., each \$1.50; per 10 \$14.00.

1 year old 3 to 4 ft., each \$1.25; per 10 \$11.00.

### CHERRIES—SOUR

#### DUKES AND MORELLOS

2 or 3 year old selected, each \$1.50 to \$2.00.

2 year old, each \$1.50; per 10, \$13.00.

1 year old, 3 to 4 ft., each \$1.25; per 10, \$11.00.

**Bing**—Fruit large, dark brown or black; very fine; late; a good shipping variety. July.

**Black Republican (Lewelling)**—Large size, black, sweet, with purplish flesh; late and a good shipper. June.

**Black Tartarian**—Very large, fruit of purplish-black color, flesh is mild and sweet, of superb quality. Tree is vigorous, upright grower, and immense bearer.

**Kentish (Early Richmond)**—Dark red, very juicy; one of the best sour cherries and unsurpassed for cooking. Mid-May.

**Lambert**—Color deep, rich red; flesh firm and of fine flavor; a fine market variety. Mid-July.

**May Duke**—Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent early variety.

**Montmorency**—Large, red, rich and acid. Very hardy and productive. It belongs to the Richmond class and besides ripening 10 days to two weeks later there is little difference between the two.

**Royal Ann**—(Napoleon Bigarreau)—Largest size; pale yellow, becoming amber in the shade and with a bright red cheek; flesh very firm, juicy and sweet; immense bearer. July 1.

**Waterhouse**—Used chiefly as a pollener for the Bing, Lambert and Royal Ann, though a very good cherry of medium size, light color, high quality and productiveness itself.

**Late Duke**—Large, light red; sub-acid. Late July.

## PEACHES

2 year old, each \$1.50.

1 year, 4 to 5 ft., each \$1.25; per 10, \$11.00.

1 year, 3 to 4 ft., each \$1.00; per 10, \$9.00.

Write for cash low prices per 100

**ALEXANDER**—Medium to large, greenish white, rich red cheek; juicy and sweet; cling-stone. July.

**ARP BEAUTY**—Skin yellow and red, firm yellow, juicy flesh; excellent flavor; best early variety for family use; semi-freestone.

**CHAMPION**—Large, handsome peach with creamy white skin and red cheek. Exquisite flavor. A true freestone. Ripens last of July.

**EARLY ALEXANDER**—One of the largest and best of the extra early varieties. Almost freestone. July.

**EARLY ELBERTA**—The Elberta type, but earlier, and quality improved.

**EARLY CHARLOTTE**—Medium early, excellent flavor; freestone; hardy.

**EARLY CRAWFORD**—Very large, yellow, red, cheek; sweet and excellent; popular for table and canning; freestone. Aug.

**ELBERTA**—Very large, bright yellow, red cheek; juicy, sweet; regular bearer; freestone. Late July.

**ELBERTA**—Very large, golden yellow, red cheek; fine grained, juicy, rich and sweet.

Prolific and a perfect freestone. September.

**J. H. HALE**—A newer variety, larger than Elberta; ripens earlier, with a superior flavor. Skin and flesh mellow golden yellow. A winner. Freestone.

**LATE CRAWFORD**—Very large; yellow, dark red cheeks; flesh deep yellow; juicy; rich and excellent; freestone; valuable for canning and drying. Sept.

**MAYFLOWER**—Beautiful red all over; extremely early; tree hardy and healthy. Last of June. Freestone.

**PHILLIP'S CLING**—One of the best of the clings. Large; yellow; flesh clear yellow to the pit, which is very small; rich and fine flavored; a good canner.

**SALWAY**—Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet. Freestone. Late Sept.

**TRIUMPH**—Earliest yellow fleshed peach. Blooms late. Sure and abundant bearer; strong vigorous grower. Fruit good sized; yellow with crimson cheek; semi-freestone. We can't say too much for this peach.

**TUSCAN CLING**—Very large; yellow, blushed red. Vigorous; strong grower. July, Aug.

## PRUNES

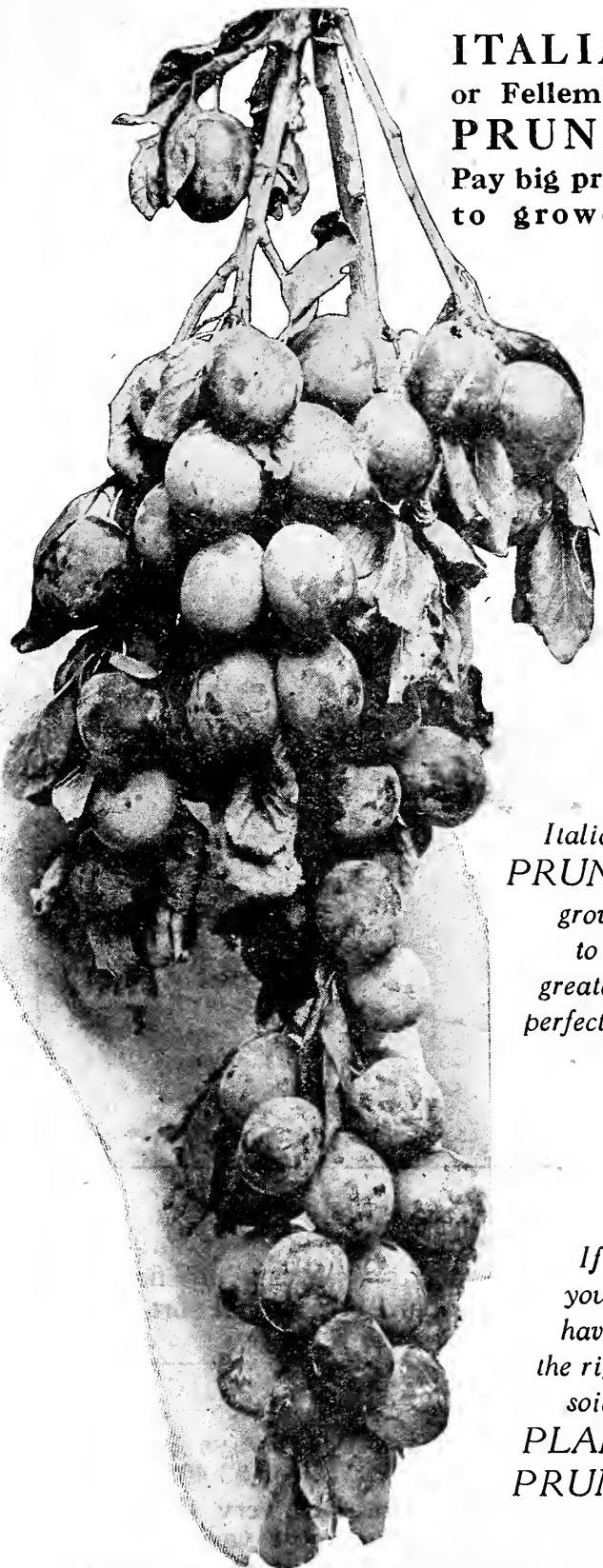
**I**F you can—**Grow Prunes**—The demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

**PRICES, except where noted:** (Special prices in 1000 lots)

Two and 3 year selected.....	Each \$1.50 to \$2.00
One year, 6 to 8 feet.....	Each \$1.50; per 10, \$12.50
One year, 4 to 6 feet.....	Each \$1.25; per 10, \$10.00
One year, 3 to 4 feet.....	Each 85c; per 10, \$7.50

Write for a low price per 100

**ITALIAN**  
or Fellemburg  
**PRUNES**  
Pay big profits  
to growers.



**SATSUMA—Blood Plum**—Large, dark red from skin to pit; firm and juicy. Early July.

**WASHINGTON**—Large, dull yellow, pale crimson blush; firm and sweet; freestone. Early Aug.

**YELLOW EGG**—Very large; skin of a deep golden color, rather acid; fine for cooking. Aug.

### New--Prinlew

A cross between the Hungarian Prune and Bradshaw Plum. Produced by Mr. H. A. Lewis, one of Oregon's most successful growers. Prinlew is ten days earlier than Bradshaw, color a little lighter than Hungarian. Fruit medium to large, firm and stands handling and shipping, and the golden flesh has a rich, delicious prune flavor. Prinlew has been favorably reported by the United States Department of Agriculture.

**Select trees, each \$2.00**

**GIANT**—Largest prune known; fruit averaging  $1\frac{1}{2}$  to 2 ounces each; excellent quality.

**HUNGARIAN**—Very large; dark red, juicy and sweet; good shipper. August.

**ITALIAN—Fellemburg**—Dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.

**PETITE—French**—Medium; violet purple; sweet, rich and sugary; fine for drying. Aug.

**SILVER**—Seedling of the Coe's Golden Drop; excellent for drying or canning. September.

**SUGAR**—New—Fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.

**NEW STANDARD**—(Burbank production)—  
Trees large; enormous yield; sweet, fine-grained and delicious; perfect free stone; skin purple.  
**Price, each, \$2.00**

**OUR PRUNE STOCK** is of exceptional quality this season—large, vigorous, well grown trees in all grades.

## PLUMS

### PRICES:

2 or 3 year selected, each \$1.50 to \$2.00.
1 year, 6 to 8 ft., each \$1.50; per 10, \$14.00.
1 year, 4 to 6 ft., each \$1.25; per 10, \$11.50.
1 year, 3 to 4 ft., each 85c.

**BRADSHAW**—Reddish purple, juicy and pleasant; adheres partially to the stone. July.

**BURBANK**—Medium; cherry red, with lilac bloom; flesh yellow; bears young. Late June.

**COLUMBIA**—Largest size, nearly globular; brownish purple; rich, sugary, freestone. Aug.

**DAMSON**—Small oval, blush purple; flesh melting, rather tart. Tree fruitful and hardy. Aug.

**DAMSON—Shropshire**—Medium size, dark purple; flesh greenish, juicy and rich. Late Sept.

**GREEN GAGE**—Small round; flesh pale green, melting and juicy; freestone. Mid-July.

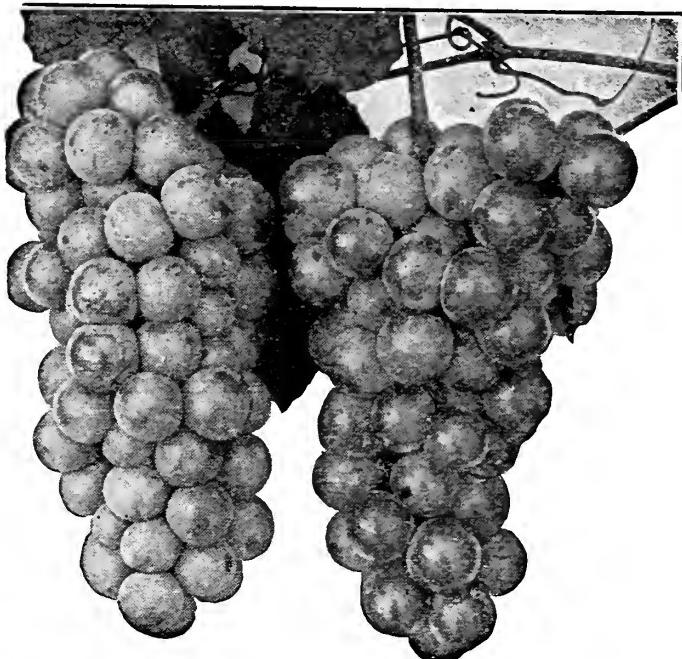
**MAYNARD**—Dull red, large, round, rich, sweet; quick-growing, heavy-yielding. July.

**PEACH**—Very large; skin brownish red, slightly coarse grained, but juicy; freestone. July.

## GRAPES

One-year Plants, not prepaid.....	Each 40c; per 10, \$3.50
Two-year Plants, not prepaid.....	Each 50c; per 10, \$4.50
<b>CAMPBELL'S EARLY</b> —Berries large, black, with light purple bloom; flesh, tender; rich, sweet, slightly vinous. Aug.      Each 75c	
<b>CONCORD</b> —Large, black grape; bunches compact; berries round, sweet and pleasant. Aug.	
<b>DELAWARE</b> —Grows freely; is perfectly hardy; ripens early; berries small, light red. August.	
<b>MOORE'S DIAMOND</b> —Bunches large; berry greenish white, flesh juicy; almost without pulp.	
<b>MOORE'S EARLY</b> —Bunch medium; berry large, resembling Concord, but more pulp and is earlier.	
<b>NIAGARA</b> —Berry large, uniform; skin thin but tough; pale yellow; flesh tender and sweet. Sept.	
<b>WORDEN</b> —Bunch very large and compact; berry large, black; an improved Concord. Late August.	

Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices.



## BUSH FRUITS GOOSEBERRIES



PRICES: 1-year, each 25c; 10 for \$2.00. 2-year, each 35c; 10 for \$3.00

**COPLAND**—Extra large berry.      Each 50c

**Red Jacket (Josselyn)**—Large, smooth, prolific and hardy; best quality.

**Oregon Champion**—Berries very large, pale green; sweet, fine; bush strong, prolific bearer. This is the standard commercial sort for our section and is best for home use.

## CURRENTS

Currants are a profitable easily grown crop, and the market is always good.

PRICES: 1-year, each 25c; 10 for \$2.00. 2-year, each 35c; 10 for \$3.00

**Perfection**—New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid.

Each 40c

**Black Naples**—Very large, black, rich, tender; fine for jellies and wine. Productive, vigorous.

**Cherry**—Very large; deep red; fine for preserving; valuable market variety.

**Fay's Prolific**—Bright red, very sweet; fruit hangs on better than most varieties.

**Victoria**—Large, bright red bunches; late, productive.

**White Transparent**—The best white currant known. Splendid market variety; rich flavor; mild sub-acid.

"Corona" Dry Powdered Arsenate of Lead and "Corona" Dusting Sulphur, equal parts—a safe and satisfactory summer dusting spray for fungus and insects.

# LOGANBERRY



The loganberry is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Fruit ripens early; excellent for jelly or jam. June.

**PRICES, not prepaid**—Large, well-rooted plants: Two-year-old, each 50c; 10 for \$4.50. One-year-old, each 30c; 10 for \$2.75; 100 for \$20.00.

## Dewberry

**Price, not prepaid, each 20c; 10 for \$1.75; 100 for \$12.50**

**Lucretia**—Fruit large, soft, sweet; no hard core. Hardy. Last of May.

**Gardenia**—Large glossy black; delicious; heavy bearer; trailing vine. June.

## Raspberries—Red Caps

Prices except where noted: Not prepaid, 1 year—Each 15c; 10 for \$1.25; 100 for \$8.00.

**Cuthbert**—Deep rich red, large and firm; one of the best market berries. Ripens medium to late.

**King**—The earliest Red Raspberry on record. It is the early Red Raspberry that makes the big money.

**Everbearing**—Everbearing Raspberries are very popular for home use as they fruit continuously throughout the season. Of good size and excellent quality.

**25c each; 10 for \$2.00; 100 for \$15.00**

**Golden Queen**—This variety is almost identical with Cuthbert, except in color; it being a beautiful yellow.

**Marlboro**—Standard, light crimson, large, very firm; good commercial variety; ripens early.

## Raspberries—Black Caps

Prices except where noted: Not prepaid, 2 years—Ea. 25c; per 10, \$2.25; per \$100, \$20.00  
1 year—Ea. 20c; per 10, \$1.50; per 100, \$12.50

**Gregg**—Of good size, fine quality; very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

**Plum Farmer**—Large black, hardy and productive. One of the very best.

**Cumberland**—Very large; similar to Gregg.

**Kansas**—Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

## BLACKBERRIES

**PRICES, Not prepaid, 2 years:** Each, 25c; 10, \$2.00; 100, \$18.00

**Blower**—A very large Blackberry of finest flavor and jet black color.

**Himalaya Giant**—Strong grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm. Good producer even in a very dry season.

**Rathburn**—The berries are large, larger than Kittatinny, of an intense jet black.

**Kittatinny**—Large, glossy black, juicy, sweet, excellent when fully ripe. July.

**Eldorado**—Large, jet black, melting, sweet and rich; hardy and productive.

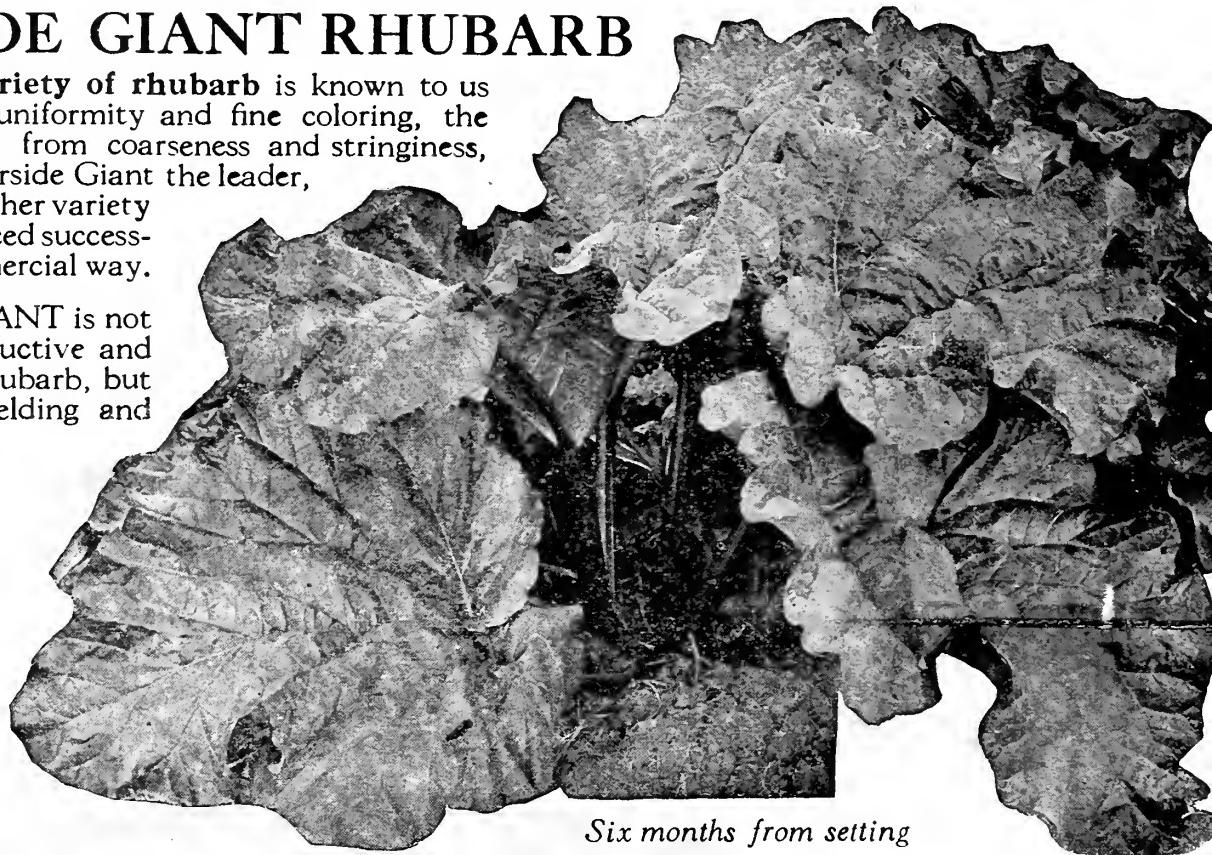
# RIVERSIDE GIANT RHUBARB

**N**O OTHER variety of rhubarb is known to us that has the uniformity and fine coloring, the flavor, the freedom from coarseness and stringiness, that has made Riverside Giant the leader, and we know of no other variety that has been produced successfully in a large commercial way.

RIVERSIDE GIANT is not only the most productive and profitable hardy rhubarb, but is also the best yielding and finest in quality when forced of all forcing varieties.

Full instructions and information on forcing will be sent on request.

Four men in 6 hours have cut over 5 tons from less than one-half acre on the fourth cutting.



Six months from setting

RIVERSIDE GIANT is unequaled for yield and quality, being crisp, tender, free from stringiness, with a good color and a delicious, distinctive flavor. The skin is so thin that it disappears in cooking. Riverside Giant has every good quality of a commercial rhubarb and is so vigorous and productive that over thirty-five tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made, the last one in July. Full information for preparation of the soil and growing the crop, as practiced by the originator, will be sent on request to all purchasers.

Two cars of Riverside Giant Rhubarb shipped to The Dalles for drying, proved to be the best variety for that purpose, containing more substance and not having a tough skin.

**☞ We have the exclusive sale of this wonderful rhubarb and offer root divisions from the original stock. Each root will make a thrifty plant if properly cared for.**

**Root divisions must be made from young healthy stock, cuttings from old roots will give poor returns.**

**PRICE—Each 15c; doz \$1.75; \$12.00 per 100. Postpaid each 20c; doz \$2.00. Special prices on large lots.**

## Victoria Mammoth Rhubarb

Standard Hardy Variety.

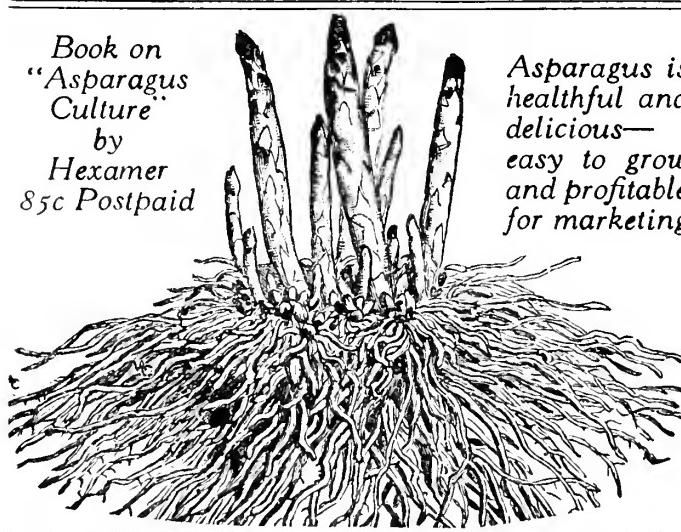
**TWO-YEAR-OLD ROOTS—Postpaid, 20c each; \$1.75 per dozen. By express or freight, ea. 15c; \$1.50 doz.; \$10.00 per 100. Write for prices on larger lots.**

**☞ Don't plant rhubarb along a fence, near trees or other crops. Give it plenty of room. Write for cultural directions.**

## Wagner's Giant

A larger, heavier yielding variety than the Crimson Winter. Our stock is locally grown from root divisions only and will be found true and uniform. Does not run up as many seed stalks as the Crimson Winter and in our experience has proven better in every way.

**Price, not prepaid: Root divisions, each 15c; \$1.75 doz.; \$12.00 per hundred. Postpaid each 20c; doz. \$2.00.**



Asparagus is healthful and delicious—easy to grow and profitable for marketing

**ONE-YEAR-OLD PLANTS—Postpaid 30c doz—75c per 50—\$1.15 per 100—by express or freight 25c dozen—60c per 50—90c per 100—\$8.00 per 1000.**

**TWO-YEAR-OLD PLANTS—Postpaid 40c dozen—\$1.00 per 50—\$1.75 per 100—by express or freight 30c dozen—75c per 50—\$1.25 per 100—\$10.00 per 1000.**

## Horse Radish

**Postpaid 5c each—35c per dozen—by express or freight 25c dozen—\$1.50 per 100. Write for price by the 1000.**

**VEGETABLE PLANTS—All Standard Varieties in Season—See Seed Catalog**

**BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG**

# STRAWBERRY PLANTS



**JAMOND** Quality Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each. **They are grown from our select strains and are always true to name; no substitution** is ever allowed without instructions from the purchaser.

Our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest**, and are being planted more extensively each season, thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

## Care for and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting.

## NEW OREGON

*Our Own Introduction*

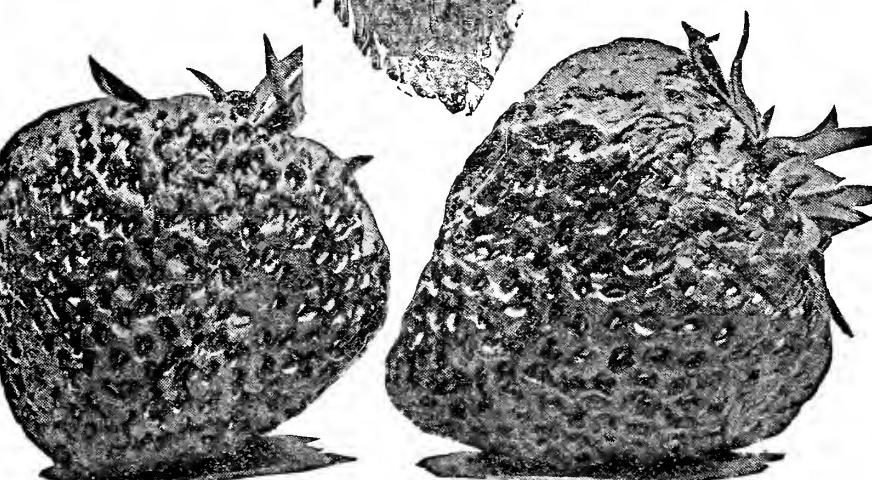
### Best, Most Uniform and Heaviest Yielding Main Crop Strawberry

"**NEW OREGON**" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, "**NEW OREGON**" is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"**NEW OREGON**" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds

Big  
Healthy  
Well  
Grown  
Plants

Trim Roots  
here when  
ready to  
set out



up in size and quality throughout the season, which in some localities extends until frost.

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable.

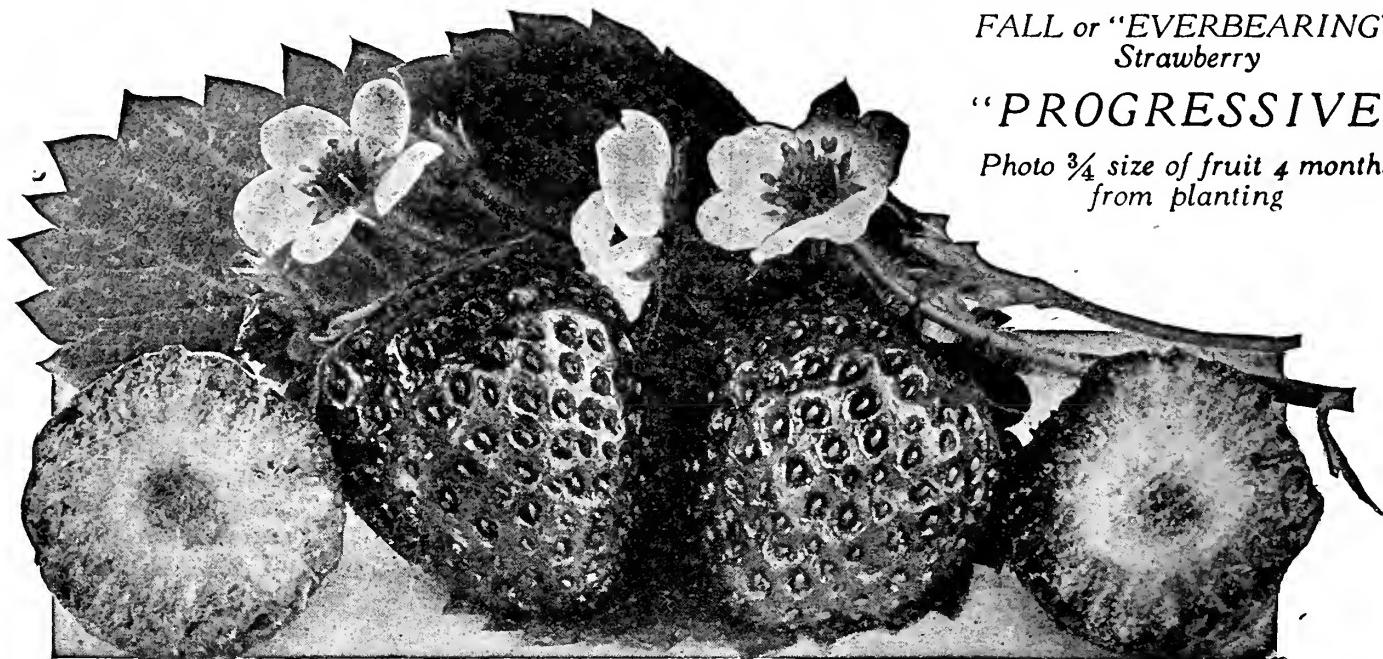
BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

# FALL OR EVERBEARING STRAWBERRIES

*FALL or "EVERBEARING"*  
Strawberry

"PROGRESSIVE"

*Photo  $\frac{3}{4}$  size of fruit 4 months from planting*



Fall bearing Strawberries, also known as "Everbearing," are very satisfactory for home gardens and under some conditions will prove profitable commercially, but require special care and attention to secure best results as the late fruit will be small and yield less if the first blossoms are not removed, and the plants are allowed to fruit early and continuously. When properly grown they are of splendid quality and yield heavily until frost.

**PROGRESSIVE**—Rich, red color, firm and of delicious flavor. Good keepers and shippers. Blossoms should be cut back about 4 weeks before the berries are wanted. We consider this the best of its class.

**SUPERB**—In our experience they do not ship as well nor yield as heavily as the "Progressive" although larger when properly grown, quality is fully equal to the best of the standard sorts.

**PRICES:** Postpaid, per doz. 75c; 25 plants \$1.25; 100 plants \$3.50  
Not prepaid, per doz. 60c; 25 plants \$1.00; 100, \$3.00; 1000, \$20.00

## STANDARD VARIETIES OF STRAWBERRIES

**GOLD DOLLAR**—*Extra Early*—Gold Dollar berries are large size, dark red all through, and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand.

**MARSHALL**—Very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock is true, vigorous and prolific.

**PRICES:** All varieties except Fall Bearing

Prepaid	$\left\{ \begin{array}{l} 1 \text{ doz., } 40c \\ 25, \quad 75c \\ 100, \quad \$2.00 \end{array} \right.$	Not Prepaid	$\left\{ \begin{array}{l} 25, \quad 50c \\ 100, \quad \$1.50 \\ 1000, \quad \$10.00 \end{array} \right.$
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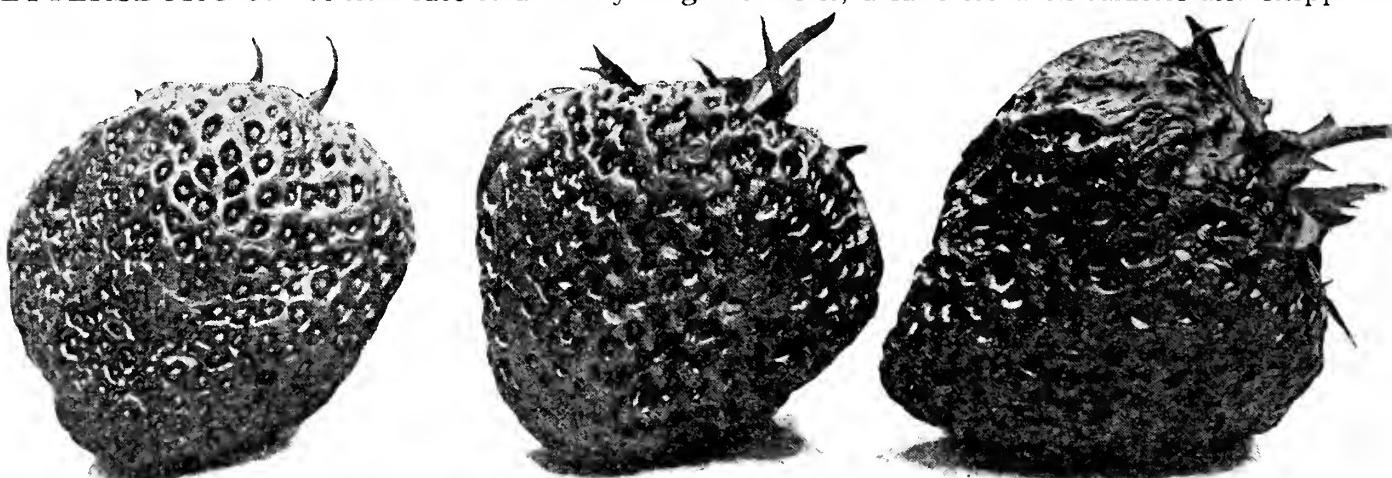
 Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

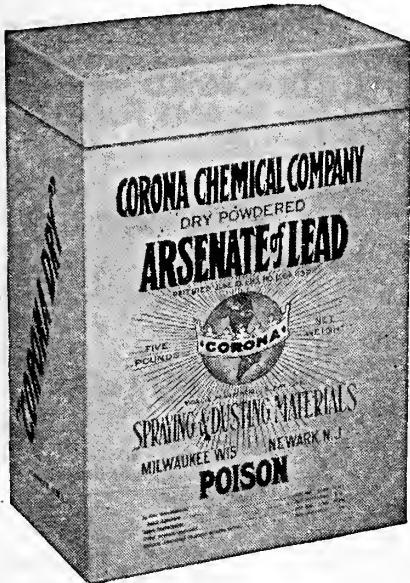
**MAGOON**—Berry large, fine and of excellent sub-acid flavor; bears heavily; especially adapted to Western Oregon and Washington.

**WILSON**—A heavy bearer of fine, moderate-sized berries; sharp acid flavor and the leading sort for canning.

**CLARK'S SEEDLING**—*The "Hood River Berry"*—Best shipper, berries large, of delicious flavor; vines bear large crops; especially adapted to dry soil.

**ETTERSBURG 80**—A new late strawberry of great merit, a favorite with canners and shippers.





## SPRAYS, INSECTICIDES

**NOTE—Poisonous Sprays marked ★ cannot be mailed**  
**★“CORONA” Arsenate of Lead—DRY POWDERED**

“CORONA” Dry Powdered Arsenate is a light, fluffy powder that cannot freeze, dry out, cake or lose its strength—carries the highest possible percentage of arsenic oxide, 33%—is always uniform and requires only 1 pound to 50 gallons of water. Efficient, economical and convenient. Highest percentage of killing power.

Prices:  $\frac{1}{2}$  lb 35c—1 lb 60c—5 lbs \$2.50—10 lbs \$4.50—25 lbs \$9.50—50 lbs \$18.00—100 lbs \$34.00—200 lbs \$64.00.

### CORONA SULPHUR—For use with Corona Arsenate

The use of this finely powdered sulphur in the summer season for fungus diseases of fruit and vegetables is equally as effective as Lime-Sulphur; is more easily applied and there are no harmful results as it is a pure, non-poisonous sulphur.

Price:  $\frac{1}{2}$  lb 15c—1 lb 20c—5 lbs 75c—10 lbs \$1.20—100 lbs \$10.00

### DIAMOND LIME and SULPHUR SOLUTION

**Diamond Lime and Sulphur Solution** is prepared in pressure tanks by steam, and is of the highest efficiency. Tests 30 Baume Scale. For old infested trees use 8 gallons water to 1 gallon. For young trees 10 gallons.

Price 1 qt 30c—1 gal 75c—5 gals \$2.40—10 gals \$4.50—50-gal bbl \$12.00.

### SCALECIDE

*The best miscible oil spray for San Jose scale and soft-bodied, sucking insects. Also contains a powerful fungicide, which will control fungus diseases that are controllable in the dormant season.*

Use one gallon of “Scalecide” to fifteen or twenty gallons of water.

Price per qt 75c—gal \$2.00—5 gals \$9.00—10 gals \$17.00—50-gal bbl \$45.00.

### STANDARD DRY BORDEAUX MIXTURE

Mixed nine pounds to 50 gallons, gives a standard Bordeaux Mixture, 4-4-50.

Price, 1 lb 50c—5 lbs \$2.00—10 lbs \$3.50—25-lb drum \$8.00.

**★INSECTO—Dry Bordeaux and Lead**—A combination of Bordeaux Mixture and Arsenate of Lead. Use 7 to 9 pounds to 50 gallons of water.

### DIAMOND SPRA-OIL

The Hood River miscible oil spray, used by the big orchards for leaf roller.

**As a WINTER SPRAY**—For San Jose Scale Pear Scylla, Leaf Roller, Woolly Aphis, use one gallon of Spra-Oil to 15 or 16 gallons of water.

**As a SUMMER SPRAY**—Very efficient for young San Jose Scale and certain Aphis, diluted with 50 to 100 gal. of water to one gal. of Spra-Oil.

Price, qt 40c—gal 95c—5 gals \$3.50—10 gals \$6.50—bbl \$21.00.

### TREAT YOUR SEED WITH FORMALDEHYDE

**A Preventive for Smut in Grain—Scab and Fungus Diseases of Potatoes**

Formaldehyde is a clear chemical, resembling water, but has a peculiar odor. It is sold by the pound (pint). One pound is sufficient to treat 40 to 50 bushels of oats.  $\frac{1}{4}$  pint to 5 gallons of water. Oats thus treated will be entirely free from smut.

Prices: pint \$1.00—quart \$1.75—gallon jug \$6.50; express or freight at purchaser's expense; cannot be mailed.

Price, 1 lb 65c—5 lbs \$2.75

## DIAMOND FERTILIZERS WRITE FOR PRICES

### GENERAL AND VEGETABLE

An all-round fertilizer, which can be used on any crop, but is especially adapted for grain and general farm crops. Analysis: Nitrogen, 2.50 per cent; phosphoric acid, 9.20 per cent.

100 lbs \$4.00—per ton \$77.50

### FRUIT AND ONION

This fertilizer is also used for blackberries, raspberries, strawberries, etc. Analysis: Nitrogen, 1.50 per cent; phosphoric acid, 9.00 per cent; potash, 1.00 per cent.

100 lbs \$4.15—per ton \$80.00

### ODORLESS LAWN AND ROSE

Our Diamond Lawn Fertilizer promotes a vigorous, healthy growth, giving the desired dark rich green appearance; can be used at the time the seed is planted and later as a top dressing. Use one hundred pounds for a city lot. Analysis: Nitrogen, 3.50%; phosphoric acid, 8.00%.

100 lbs \$4.15—per ton \$80.00

### FISH GUANO

Fish cooked, dried and ground is a strong fertilizer, rich in nitrogen, carrying considerable phosphorus and used largely by vegetable growers. We do not recommend this for lawns or city use.

100 lbs \$7.50—per ton \$145.00

### SUPERPHOSPHATE

This is a concentrated form of phosphoric acid. Our present stock contains 17 to 18 per cent available.

100 lbs \$3.00—per ton \$52.50

### TANKAGE

Ground meat scraps and bone, dessicated in a vacuum, is very rich in phosphoric acid and nitrogen. Analysis: Phosphoric acid 7.00 per cent; nitrogen 5.75 per cent.

Per 100-lb sack \$4.25—per ton \$82.00

### SHEEP GUANO

Per 100-lb sack \$2.00—per ton \$37.50

**Prices AS FERTILIZERS ARE SOLD ON A SMALL MARGIN, PRICES ARE SUBJECT TO MARKET CHANGES, but you will always get FULL VALUE for your money**  
 BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

**LIME**

**Lime Rock—Fine Ground.** This is the form of lime recommended by the Agricultural Department. Use  $\frac{1}{2}$  to 1 ton per acre.

100 lbs \$1.25—ton \$18.00

**BONE MEAL**

Fine ground Bone Meal is one of the best fertilizers. Reduced by improved machinery to an even fineness—nothing is added. Analysis: Nitrogen 4.00 per cent; phosphoric acid, 20 per cent. 5 lbs 30c—10 lbs 50c—100 lbs \$4.25—ton \$83.00.

**SHEEP GUANO**

The best natural manure, dried and ground. Concentrated, soluble; quick in action, and free from weed seed. Splendid for vegetables; fine for roses and flowers. Excellent for lawns. Analysis: Nitrogen, 1.25 per cent; phosphoric acid 4.05 per cent.

10 lbs 45c—25 lbs 75c—50 lbs \$1.25—100 lbs \$2.00—ton \$37.50.

**DIAMOND PLANT FOOD**

For Ferns, Palms and House Plants. Clean, odorless, highly concentrated, producing luxuriant foliage and larger and more brilliant flowers. A 40c package will feed a dozen large plants a whole year.

Price  $\frac{1}{2}$  lb pkg 25c, by mail 35c; 1 lb pkg 40c, by mail 50c.

**Mulford Cultures**

**FOR LEGUMES** are a practical success. A \$2.00 package used on a leguminous crop will produce as much nitrogen as 8 tons of manure.

See page 46

**MISCELLANEOUS FLORISTS' SUPPLIES****FOR FLORISTS AND NURSERYMEN**

**PLANT STAKES**—Round cedar, painted green, 3 ft 85c doz—3 $\frac{1}{2}$  ft \$1.00—4 ft \$1.25—5 ft \$1.75—6 ft \$2.50.

**VITAPLASTIC—Glazing Compound**—The best, most dependable glazing material. Never hardens or cracks. Write for circular.

Price, gal \$2.50—5 gals \$11.25—30 gals \$64.50.

**VITAPLASTIC MACHINE** \$8.00

**WOODEN POT LABELS**

4-inch Plain, per 100 20c—1,000 \$1.65

Painted, per 1,000, wt pckd 4 lbs, \$2.25

5-inch. Plain, per 100 25c—1,000 \$2.25

Painted, per 1,000, wt pckd 6 lbs, \$3.00

6-inch. Plain, per 100 30c—1,000 \$3.00

Painted, per 1,000, wt pckd 9 lbs, \$3.75

**WIRED TOOTH PICKS**—2 $\frac{1}{2}$  inches long.

**WIRED MATCH STICKS**—4 inches long.

**WIRED MATCH STICKS**—6 inches long.

**NICO FUME LIQUID**—The best fumigant and spray for greenhouse work. Kills aphid, red spider, mealy bug, thrip, etc. Write for prices

**TREE LABELS**

Painted copper wire. Per 100 40c—1,000 \$3.75

Unpainted copper wire. Weight pckd., 4 lbs. per 1,000. Per 100 35c—1,000 \$3.00

Plain iron wired. Per 100 30c—1,000 \$2.25

Painted iron wired. Per 100 35c—1,000 \$3.00

**PENCILS**—Indelible, for marking. Each 15c

**WIRE HANGING BASKETS**—10 in 30c—12 in 35c—14 in 45c.

**GLAZING POINTS**—Peerless—Best point made. 1,000 in box. Weight 2 lbs. Price 90c

Our line of Chiffons, Ribbons, Cords, Wire Designs, Foil, Baskets and general Florist Supplies is very complete.

**RAFFIA**

In ordering Raffia by mail, be sure to add postage on 1 lb. or more.

**RAFFIA**—Natural color. Price  $\frac{1}{4}$  lb 20c—postpaid, 25c; not postpaid, per lb 50c.

**COLORED RAFFIA**—Any shade, the popular colors being red, yellow, orange, black, blue and purple. Per pkg postp'd 25c, per lb \$1.50

**CUT FLOWER BOXES**

We can supply Cut Flower Boxes in the following sizes. Florists write for prices.

3 x18x5	3 $\frac{1}{2}$ x30x5	5x36x8	8x16x16
3 x21x5	4 x24x8	6x40x10	8x20x20
3 $\frac{1}{2}$ x24x5	5 x28x8	6x36x14	8x24x24

**FLOWER POTS**

Florists, nurserymen and growers should send list of requirements for Special Prices.  
**FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE**

Size	Each	Dozen	Saucers	Size	Each	Dozen	Saucers
2 inch.....	\$0.03	\$0.20	Each	7 inch.....	\$0.20	\$1.75	\$0.07
3 inch.....	.04	.35		8 inch.....	.25	2.50	.07
4 inch.....	.06	.50	\$0.04	9 inch.....	.40	4.25	.15
5 inch.....	.10	.85	.04	10 inch.....	.65	....	.18
6 inch.....	.15	1.25	.06	12 inch.....	1.00	....	.25

**NOTE**—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating number wanted.

# PRUNING TOOLS, ETC.

NOTE—Compare Numbers on cut to those in descriptions



## NEW BASTIAN PRUNER

Makes a Clean Sharp cut  
The powerful lever of the new Bastian Pruner enables you to do the same work in half the time and with half the labor that would be required with old-style Pruners.

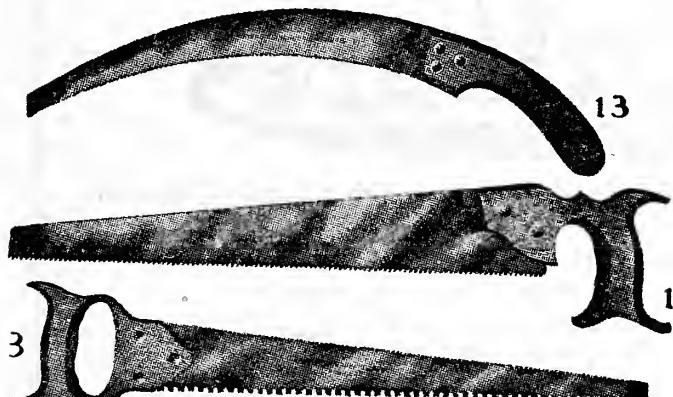
Blades are of finished Damascus steel, very strong, and hold their cutting edge. Simple in construction, light, strong and durable. We recommend the Bastian to all fruit growers.

Prices F. O. B. Spokane.

6-ft...	\$1.75	12-ft...	\$2.50
8-ft...	2.00	14-ft...	2.75
10-ft...	2.25	16-ft...	3.00

## PRUNING SAWS

- No. 13—California Pruner (Crescent). Finest silver steel. 14 inch. Each \$1.25
- No. 1—Pruning Saw. Made of genuine silver steel. 16 inch, each \$1.35; 18 inch, ea. \$1.50
- No. 3—Duplex Pruner. 16 inch, each \$1.50; 18 inch, each \$1.75.



## MOLE AND GOPHER TRAPS

- OUT O'SIGHT MOLE TRAP—Sure to "get them." Weight 2 lbs. Price \$1.75
- GOPHER TRAP—Easy Set—Never fails. Weight 1 lb. Price, each, 25c
- REDDICK MOLE TRAP—No mole can pass under it and live. Wt. 3 lbs. Price \$1.75

## PRUNING SHEARS

No. 4773—9-inch; full polish, with double brass springs; best American make. Weight 1 lb. Price \$2.85

No. 40—9-inch; bright finished, polished blade, spiral steel spring; made for hard service. Weight 1 lb. Price \$2.00

No. 41—Same as No. 40, except with ratchet nut. Weight, 1 lb. Price \$2.25

No. 30—7-inch; black finish; polished blade; very good. Weight 1 lb. Price \$1.50

No. 31—Same as No. 30, only 9-inch ratchet nut; an American make. Wt., 1 lb. Price \$1.75

No. 50—Five and a half-inch, nickle-plated; small, but of best material; fine for ladies. Weight, 1 lb. Price \$1.25

No. 51—Same as No. 50, except that it is 6½ inches long. Weight 1 lb. Price \$1.00

Grape or Fruit thinning. Price 65c

26-inch handle, weight 2½ lbs. \$1.75—41-inch handle, weight 3 lbs., \$2.00.

## BRANCH SHEARS

We offer a splendid value in a special design. The blade being so arranged as to firmly hold the limb and make a clean cut without bruising—strong handles are securely set in steel sockets—a strong and durable shear built for service.

No. 120—20-inch with lock nut.....\$2.10

No. 126—26-inch with lock nut..... 2.35

No. 130—30-inch with lock nut..... 2.50

Extra Handles. Each..... .50

## IDEAL FRUIT PICKING BAG

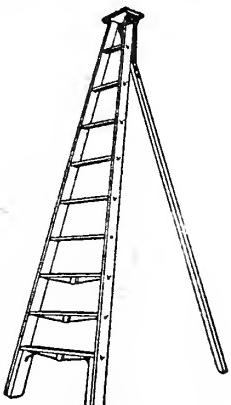


Made of heavy canvas, with spring steel frame—straps cross shoulders, no weight on neck. Nothing to mar fruit when emptying. Has improved patented side fastener, will save its price in a day's work. Each \$2.50

## KING FRUIT PICKING LADDER

6, 8, 10 and 12 ft. lengths. Strong, light and serviceable.

Price 65c per foot



LION BRAND— $\frac{1}{4}$  lb. 20c— $\frac{1}{2}$  lb. 30c—1lb. 60c. Add postage at zone rate.

## WOODLARK SQUIRREL POISON

Exterminates Squirrels, Sage Rats, Field Mice, Pocket Gophers, Prairie Dogs, Crows.

Cannot be mailed. Price, 1-lb. package, 60c

# CLOVER AND ALFALFA SEEDS

 Write for prices on 100 lbs. or ton lots. They are always subject to market changes.  
Single pound prices postpaid; for larger lots add postage at zone rate.

## Alfalfa or Lucerne Clover

**A**LFALFA should be cut for hay when the shoots of the next crop appear at the base of the plants. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. It will not succeed on hard, clayey soils. Its roots, in seeking moisture, penetrate to incredible depths. The seed should be sown in the Spring, after danger from freezing the young plants is over, or in the Fall, early enough to give it a good stand before frost.

Many Alfalfas are widely advertised, such as Grimm, Baltic and the Peruvian varieties. The Grimm and Baltic are yet scarce, high in price, and reliable stock difficult to secure. The Peruvian has given good results in the South, but is of doubtful value in this section.

The domestic acclimated seed we offer can be depended upon to give splendid satisfaction.

### DRY LAND ALFALFA

Dry Land Alfalfa is especially recommended for the hills and plateaux where irrigation is impossible. It comes from the highest, driest alfalfa sections, and is very superior seed.

Per lb postpaid 55c; 10 lbs postpaid \$4.75

### WHITE DUTCH CLOVER

(*trifolium repens*)

Superior for pasture and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass.

Per lb postpaid choice seed 80c; fancy 85c

### RED CLOVER

(*trifolium pratense*)

The standard Clover for all purposes. Hardy and succeeds well on any good soil. Makes superior hay—especially mixed with Timothy—either for dairy cows or for general use.

Per lb postpaid 60c; 10 lbs postpaid \$5.00

### CRIMSON OR SCARLET CLOVER

(*trifolium incarnatum*)

Highly recommended for pasture and fertilizing purposes. Is a thrifty annual, growing from twenty to thirty inches high. Germinates quickly, grows rapidly, and stools abundantly. Cut for hay when in full bloom.

Per lb postpaid 35c; 10 lbs postpaid \$2.75

## Clovers

### MAMMOTH RED CLOVER

Grows very large and is used almost exclusively for plowing under for manure.

Per lb postpaid 60c; 10 lbs postpaid \$5.25

### BOKHARA SWEET OR HONEY CLOVER

(*melilotus alba*)

A rapid-growing, white-flowered sort; excellent for bees. Sow 10 pounds per acre.

Per lb postpaid 55c; 10 lbs postpaid \$5.00

### ALSIKE OR SWEDISH CLOVER

(*trifolium hybridum*)

A perfectly hardy perennial. Excellent for hay and pasture. Valuable for bees. Resists both drought and excessive moisture.

Per lb postpaid 60c; 10 lbs postpaid \$5.00

### ESPARSETTE OR SAINFOIN

(*onobrychis gativa*)

A deep rooting, perennial legume, extensively cultivated in dry, calcareous soils. Write for prices.

# Mulford Cultures

FOR LEGUMES

### Small Cost

### Large Returns

### Easy to Use

### No Labor Expense

Mulford Cultures are scientifically prepared and tested by experts, in the biological laboratories of H. K. Mulford Co., Philadelphia, U. S. A., with the same degree of care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the world.

Legumes offer the best-known means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, corn and other non-legume crops.

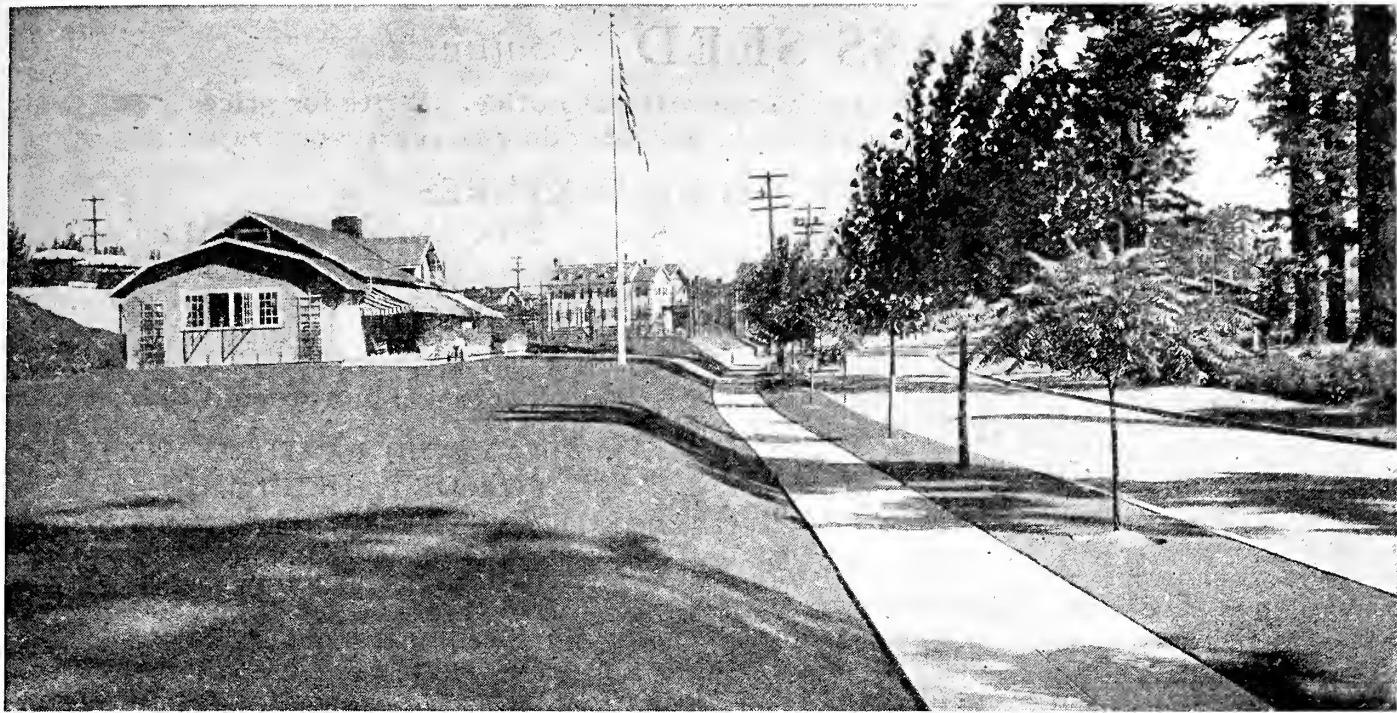
The U. S. Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitro-fixing bacteria to induce a prompt "catch" and increase your yield.

**PRICES:**—Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

ALFALFA, RED CLOVER, WHITE CLOVER, ALSIKE, VETCH, PEAS, BEANS, SWEETPEAS,  $\frac{1}{4}$  acre 50c, 1 acre \$1.50, 5 acres \$5.00. Postage extra.

Special small size for Sweet Peas, Garden Peas, and Beans, 25c

 FULL INFORMATION and MULFORD BOOKLET ON REQUEST



*Laurelhurst Club. The beautiful lawns at Laurelhurst were grown from our Diamond Grass Seeds*

## DIAMOND GRASS SEED MIXTURES



**DIAMOND QUALITY GRASS SEEDS** are the choicest new crop seeds, recleaned and tested for purity and germination, and only those stocks that grade above the established standards are offered to our customers.

Our **Special Mixtures** have been carefully worked out by the tests and observations of practical experts familiar with the requirements and conditions to be met, and will give the best results possible to obtain for the uses for which they are recommended.

### "DIAMOND" FANCY LAWN MIXTURE

To have a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late Spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture costs more at first than the poorer substitute, but will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest recleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year. *Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.*

Growing tests have proved our "Diamond Quality" Lawn Grass to be superior to any other mixture for our Western soils and climate; it is also free from chaff and foul seeds, weighing 23 pounds to the measured bushel. This is a guarantee of clean, plump seeds, as cheap chaff seed is very light.

**Single lb postpaid 50c; not prepaid 1b 45c; 10 lbs postpaid \$4.60**

**SEASIDE LAWN MIXTURE**—A special mixture is required to meet the conditions on or near the coast, and this we call our "Seaside" Mixture. If your ground is very light or sandy, put on three or four inches of top soil to make a seed bed. After the grass is once up, the roots will penetrate the lower soil. Give plenty of water and an occasional dressing of our Lawn Fertilizer.

**Single lb postpaid 65c; not prepaid 55c;  
10 lbs postpaid \$5.50.**

**DIAMOND TENNIS COURT MIXTURE**—For a grass court, our Tennis Court Mixture will give the best results possible, as it is made up of fine, close-growing, heavily-rooted grasses that make a dense and lasting turf.

**Single lb postpaid 65c; not prepaid 55c**

**FINE MIXED LAWN GRASS**—For use where a temporary lawn must be quickly prepared, and if kept closely cut will be lasting and satisfactory.

**1 lb postpaid 45c; prepaid 10 lbs \$4.25**

## DIAMOND LAWN FERTILIZER

Easily applied, has no odor, and gives quick results

For New Lawns use 1 oz. to the square foot, worked into the soil before seeding. Repeat as a surface dressing when the grass shows a little growth. Old Lawns require one to two ounces per square foot as a top dressing, applied early—December to March. This produces a vigorous early growth. "FERTILIZERS" is the name of our little booklet that tells about fertilizers—what they are and how to apply them. Free on request.

 The wonderful lawn under the trees of Holladay Park was grown from "Diamond" Grass Seeds  
**BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG**

"DIAMOND  
QUALITY"

## GRASS SEED—Continued

Grass Seed prices subject to change without notice. Write for prices.   
Single pound prices postpaid, for larger lots add postage at zone rate.

### SPECIAL PASTURE MIXTURES

#### No. 1. FOR GOOD LOAMY SOIL

A mixture of Grasses and Clovers, prepared especially for good, loamy soils, that will give satisfaction as a permanent pasture or for mowing for mixed hay. For pasture, sow 20 pounds per acre.

Per lb 50c postpaid; not prepaid 10 lbs \$4.30

#### No. 2. FOR IRRIGATED LANDS

Use grass pastures and avoid bloat from green Alfalfa.

Sow 28 pounds per acre, preferably in early spring. As soon as well established give water as needed. With proper attention a permanent pasture can be maintained.

Per lb 45c postpaid; not prepaid 10 lbs \$3.80

#### No. 3. FOR LIGHT SANDY SOIL

An extra fine mixture for sandy or light soils. This will make a good, strong turf, that under ordinary circumstances should last for many years. Sow 20 pounds per acre.

Per lb 50c postpaid; not prepaid 10 lbs \$4.30

#### No. 4. FOR DRY LAND

Mixed especially for the regions between the Cascades and Rocky Mountains, and on good, common wheat land. Try this mixture, as we believe that it will give you best possible results. Sow 20 pounds per acre.

Per lb 50c postpaid; not prepaid 10 lbs \$4.30

#### MIXTURES FOR BURNED-OVER LAND

In grading and cleaning grasses and clovers, we frequently find combinations that are difficult of separation, and while the seeds are often of excellent germination and quality, they cannot profitably be separated and cleaned, so we blend them to produce pasture mixtures suitable for sowing on burns and logged-off land, which at the price are splendid values and very economical for such purposes.

Per lb 25c postpaid; not prepaid

#### ITALIAN RYE (*lolium italicum*)

A quick-growing grass, attaining a height of 2  $\frac{1}{2}$  to 4 feet; very desirable for temporary meadows or pastures (will last from two to six years). Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow 40 pounds per acre.

Per lb 35c postpaid; not prepaid 10 lbs \$1.90

#### RED TOP (*agrostis palustris*)

A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land it is advisable to mix it with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 28 pounds per acre chaff seed; 14 pounds hulled.

**CHOICE UNHULLED.** Per lb 30c postpaid; not prepaid 10 lbs \$2.00.

**FANCY HULLED.** Per lb 40c postpaid; not prepaid 10 lbs \$3.00.

#### No. 8. FOR ARID OR ALKALI LAND

Particularly for arid alkali lands. This mixture is composed of varieties that have proven to be the best for the soils mentioned. Sow 20 pounds per acre.

Per lb 50c postpaid; not prepaid 10 lbs \$4.70

#### No. 10. HAY AND PASTURE MIXTURE FOR DRY HILL LAND

Especially suited to the dry sections, such as parts of Southern Oregon, Eastern Oregon, Eastern Washington and Idaho. This mixture is made up of varieties that can endure a great change of temperature from heat to cold, and at the same time will make a splendid mixed hay.

Per lb 50c postpaid; not prepaid 10 lbs \$4.30

#### No. 11. FOR GRAZING PURPOSES

This is a mixture of grasses only, being made up for the benefit of those who wish a mixture without Clover, and will make a fine permanent pasture, but is not intended for hay.

Per lb 45c postpaid; not prepaid 10 lbs \$3.75

#### No. 12. FOR BURNED-OVER BOTTOM LAND, OR LAND INCLINED TO BE WET

This is a mixture that will do well either for hay or for permanent pasture on land that is too wet for many of the grasses and clovers.

Per lb 35c postpaid; not prepaid 10 lbs \$2.90

In grading and cleaning grasses and clovers, we frequently find combinations that are difficult of separation, and while the seeds are often of excellent germination and quality, they cannot profitably be separated and cleaned, so we blend them to produce pasture mixtures suitable for sowing on burns and logged-off land, which at the price are splendid values and very economical for such purposes.

Per lb 25c postpaid; not prepaid

#### ENGLISH RYE GRASS (*lolium perenne*)

A strong-growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Forty pounds per acre.

**For Lawns** this is used and recommended by many gardeners. If sown thickly, it makes a fine lawn, and for large grounds and parks it is very successful.

Per lb 35c postpaid; not prepaid 10 lbs \$1.80

#### KENTUCKY BLUE GRASS (*poa pratensis*)

One of the best grasses for permanent pasture furnishing a constant supply of the most nutritious feed during the greater part of the year. Sow 28 pounds per acre.

**For Lawns**—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures. Sow 1 lb. to 400 sq. ft. if used alone.

**Fancy, per lb 50c postpaid; not prepaid 10 lbs \$4.30.**

Write Us for Special Mixtures for Terraces, Shady Places, Dry or Wet Land

**FORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG**

## GRASS SEED—Continued

Grass Seed Prices subject to change without notice. Write for Prices.   
Single pound prices postpaid, for larger lots add postage at zone rate.

### CREEPING BENT GRASS

(*agrostis stolonifera*)

Well adapted for sandy pastures near the Coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre. Excellent for lawns. Use 12 to 15 pounds per 50-foot lot.

**Write for Prices**

### RHODE ISLAND BENT

(*agrostis tenuis*)

Resembles Red Top. Makes a close sod; valuable for permanent pastures and meadows. Twenty-eight pounds per acre. For lawns, use 12 to 15 lbs. per 50-foot lot. Gives good results.

**Write for Prices**

### TALL FESCUE (*festuca elatior*)

Succeeds best in moist alluvial and strong clayey soils; is very productive and lasting; valuable for permanent pasture, is relished by stock and on rich land makes fine hay—height 3 to 4 feet; weight 22 pounds per bushel.

**Per lb 80c postpaid; not prepaid 10 lbs \$7.20**

### HARD FESCUE (*festuca duriuscula*)

Fine, rather dwarf, justly noted for its drought resisting qualities. Valuable as a pasture for sheep. Sow 20 pounds per acre.

**Per lb 45c postpaid; 10 lbs \$3.40**

### ROUGH-STALKED MEADOW GRASS

(*poa trivialis*)

Most valuable grass; flourishes in moist, rich soil; roots perennial, but soft; foliage freezes down.

**Per lb 85c postpaid. Write for prices**

### TIMOTHY (*phleum pratense*)

This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the Spring or Fall. Sow 15 to 20 pounds per acre. **Choice, 1b 25c postpaid; not prepaid 100 lbs \$17.50.**

**Diamond Fancy, 1b 25c postpaid; not prepaid 100 lbs \$18.50.**

### BERMUDA GRASS (*cynodon dactylon*)

Suitable only for climates where the Winters are not below the freezing point. It stands the hottest and driest season. Sow 6 pounds per acre. **Per lb 75c postpaid; not prepaid 10 lbs \$6.50**

### RED OR CREEPING FESCUE

(*festuca rubra*)

Forms a close turf and is valuable for lawn and golf mixtures; thrives in sandy soils and along the Coast. (14 lbs. to the bushel.)

**Per lb 60c postpaid; not prepaid 10 lbs \$5.00**

### SWEET VERNAL

(*anthoxanthum odoratum*)

Valuable to put in pasture mixtures and lawn grass on account of its earliness and its delightful fragrance when in bloom. Thrives under all growing conditions, but is only recommended for use in mixtures. If alone use 28 pounds per acre. **ANNUAL. Per lb 45c postpaid; not prepaid 10 lbs \$3.40.**

### MEADOW FESCUE (*festuca pratensis*)

Perennial; grows three to four feet high. Roots deep, thus resisting drouth. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures, being valuable to mix with other kinds. Sown alone, use 40 pounds per acre.

**Per lb 55c postpaid; not prepaid 10 lbs \$4.90**

### SHEEP'S FESCUE (*festuca ovina*)

Grows freely in high, dry and open pastures. Its chief merit is for sheep pasture. Thirty-five pounds to the acre. **Write for prices**

### TALL MEADOW OAT GRASS

(*avena elatior*)

Often attains a height of three to four feet by the middle of June. Makes splendid hay and thrives on sandy loam, but makes its best growth where there is some clay. Can be fed as a pasture grass, and will generally bear cutting three times. For mixing with Perennial Rye and Alfalfa for sandy soils it is excellent. Sow about 30 to 40 pounds per acre alone or half that amount if mixed with the above varieties.

**Per lb 50c postpaid; not prepaid 10 lbs \$4.30**

### MESQUITE (*notholcus lanatus*)

It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Sow about 35 pounds to the acre chaff seed; hulled 15 pounds per acre.

**FANCY HULLED. Write for prices**

### CHEAT SEED (*bromus secalinus*)

Cheat yields a good crop of hay, especially on low or moist soil and will stand considerable overflow without harm. It makes an excellent hay for cows or horses, but should be cut before it gets too ripe. Sow in the Fall or early Spring same as oats, and about 100 pounds per acre.

**Per lb 15c postpaid; not prepaid 100 lbs \$4.25**

### CANADIAN BLUE GRASS

(*poa compressa*)

Recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil. Sow 28 pounds per acre. **Write for prices**

### CRESTED DOG'S TAIL

(*cynosurus cristatus*)

A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land; makes excellent sheep pasturage. Use 20 pounds per acre if sown alone.

**Per lb 55c postpaid; not prepaid 10 lbs \$4.50**

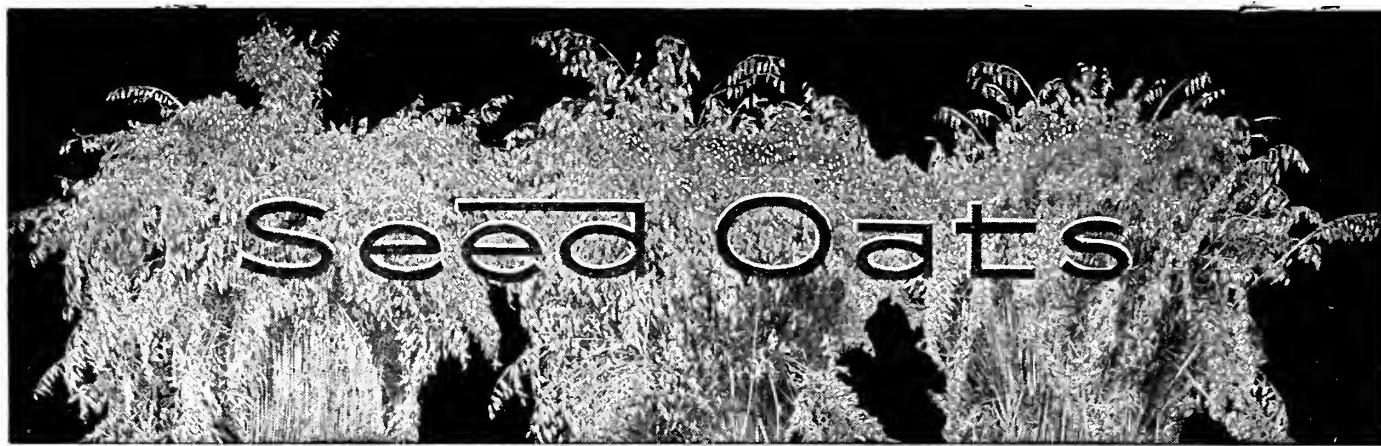
### ORCHARD GRASS (*dactylis glomerata*)

One of the most valuable of all the cultivated grasses, blooming with Red Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Sow 28 pounds per acre.

**Fancy Eastern, per lb 50c postpaid; not prepaid 10 lbs. \$3.60.**

For SPECIAL MIXTURES for BURNS, DRY or WET LANDS—Temporary or Permanent Plantings for Hay or Pasture—WRITE US

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG



**T**HE production of fine seed oats has always been one of our leading specialties and we consider them to be the most profitable and satisfactory grain crop, being indispensable to stock and dairymen, and their use as a food is constantly increasing.

Planted in season, oats rarely fail, are easily and cheaply grown, and the valuable new varieties which we offer will double the number of bushels per acre that you would get from common seed oats, which means half the cost of production, or twice the profit.

They will mature in July from Spring sowing, giving quick returns and leaving the soil in good condition for Fall planting.

Of what other grain crop can so much be said, and what other crop is more necessary and valuable to the dairy and stockman?

We offer select, recleaned, well-matured seed oats of standard varieties, suitable for this section and our own varieties, "SHADELAND ECLIPSE" and "SHADELAND CLIMAX," the earliest and most vigorous, heaviest yielding oats ever grown anywhere. (See next page.)

## SHADELAND SEED OATS

For 16 years "Shadeland Oats" have never failed to produce a record crop, not small patches under favorable conditions, but big average yields throughout large fields, such as the Polk County record of 135 bushels and 10 pounds per acre of "Climax," Clackamas County, 126½ bushels of "Eclipse" per acre over a 14 acre field, Lincoln County 135 bushels over a 41 acre field, weighing 41 pounds to the bushel and a field near Coquille that ran 135 bushels per acre.

SHADELAND OATS are grown especially for planting purposes, and each year typical heads are selected in the fields by hand, and from these new seed is grown for revitalizing and perpetuating the type, and maintaining the standard. The latest selection from the splendid strain of "Shadeland" Side Oats is "Eclipse," an improvement over "Challenge," which in turn took the place of the original type. "Shadeland Wonder," from which famous parent the marvelous "Shadeland Side Oat Eclipse" is the third generation by reselection.

### Shadeland CLIMAX

**SHADELAND CLIMAX—Tree Oat**—For early Spring planting where seasons are short, in high, dry altitudes, and where quick growth and early maturity are demanded "CLIMAX" will give you a bountiful harvest of the finest oats you ever saw. The white grains are uniformly large, plump and full with a very thin hull and are often borne 3 in a spikelet, which partly accounts for its wonderful yield.

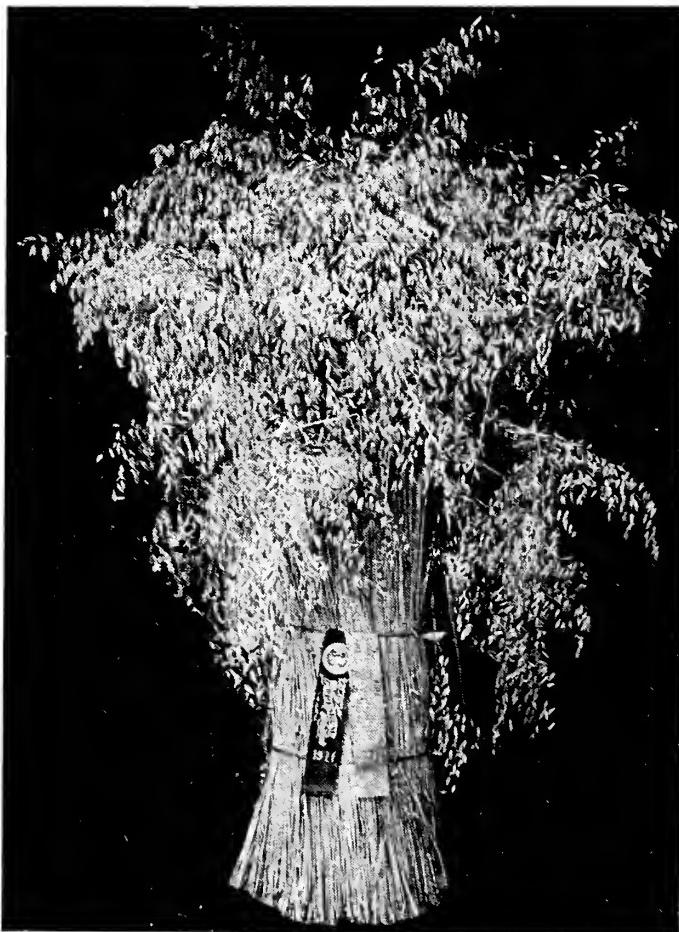
In our trials "SHADELAND CLIMAX" has not been injured by severe early freezing and later drought, but has stood up, green and vigorous, yielding one hundred bushels per acre on hill land when oat crops throughout the same section were stunted and dried up.

If you live west of the Cascade Mountains you can plant "Climax" Fall or Spring, any time the ground is fit, but where the climate is severe, Spring plantings are best.

**Price:** Postpaid, 1 lb 15c; 4 lbs 50c; not prepaid  $\frac{1}{2}$  bushel \$1.00; bushel \$2.00.

**DON'T FORGET** "Shadeland Oats" won firsts every year for 15 years at the Oregon State Fair and at every North Pacific Land Show—an unbroken record.

"SHADELAND OATS" will win for you and add to your profits.



"CLIMAX" always a winner

A "CLIPPER" cleaner will improve the quality and increase the yield of any grain crop

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG

## SHADELAND ECLIPSE

### SHADELAND ECLIPSE—Side Oat—

Is a re-selection from our famous "Shadeland Challenge," and is living up to its name by "eclipsing" all competitors, including the parent stock, being equally as vigorous and early and the massive heads are uniformly larger and filled with plump, heavy, thin-hulled oats of finest milling quality.

The yield on light dry soil where our seed crops are grown, runs from 75 to 85 bushels per acre and moist bottom land 125 bushels per acre is not uncommon.

"SHADELAND ECLIPSE" can be planted Fall or Spring, west of the mountains (Fall plantings should be made on well-drained soil), but in severe climates early Spring planting is best. Matures in 90 to 100 days, and can always be harvested before the Fall rains. Their beautiful bright color and plumpness commanding the top price in the market. Try this grand new side oat.

**Price postpaid 1 lb 15c; 4 lbs 50c; not prepaid, half bushel \$1.00; bushel \$2.00.**

### ☛ WHICH IS YOUR CHOICE?

The difference in the cost of planting and harvesting an acre of common oats yielding 20 to 50 bushels, and of growing our record-breaking "Shadeland" oats that give from 80 to 135 bushels per acre is about \$1.50; in other words, *it costs about as much to plant, care for and harvest oats that yield only half a crop as it does to reap a real harvest.*

### THINK THIS OVER

**To Know** that you are getting the genuine "SHADELAND" Oats always buy direct from our store. Prices are so low that you cannot afford to risk any other seed oat,



Sheaf of Prize Winning Shadeland Oats

## STANDARD SEED OATS

Choice Recleaned Stock of the following varieties can always be supplied

### SWEDISH RED

A comparatively new tree oat from Sweden having a soft hull and fine soft straw which is ideal for hay. This is the oat grown so extensively in Northern California and along the Southern Oregon Coast. Sow in Fall or Winter.

**Per 1b 15c postpaid**

### VETCHES OR TARES

#### Oregon's Greatest Forage Plant

**COMMON VETCH**—(Vicia Sativa)—One of the best forage plants that can be grown on the Pacific Coast. Often called Fall Vetches. It furnishes an abundance of excellent feed, either green or cut and cured for hay. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Vetches weigh 70 pounds per bushel. Sow in the Fall or early Spring.

**Per 1b postpaid 20c**

**Winter Rye** is hardy and can be grown on a wide range of soils and makes splendid pasture for late Fall and early Spring after which it will develop a good grain crop or can be turned under for soiling.

**COMMON RYE**—Planted extensively in both Spring and Fall. We offer select, recleaned seed.

**Per 1b 15c postpaid. Write for prices on larger lots**

### GRAY WINTER

This oat is planted extensively throughout the Northwest as a Fall or Winter oat. Is well and favorably known, being a good yielder, and the oats are large and plump.

**Per 1b 15c postpaid**

### SAND, or Winter Vetches—(Vicia Villosa)

—This variety thrives on poor, arid, sandy soils. It is sown either in the Fall or early Spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears, and afterward for seed. The plant is perfectly hardy and makes a very nutritious food.

**Per 1b 35c postpaid**

### ☛ TREAT YOUR SEED GRAIN with Formaldehyde Before Planting

# Seed Wheat

*A Seed Field of Wheat that  
Passed Inspection for Certification Under  
the Supervision of the Oregon Agricultural College*

PRIOR to the adoption of the U. S. Grain Standards the Pacific Northwest did not use the grades established by the big eastern wheat centers, but since the U. S. Standards have become effective it is impossible to market mixed varieties of wheat or other grains at the best prices, and growers will find it necessary and profitable to plant only clean, pure seeds standard commercial varieties.

We have provided splendid stocks of the best sorts for this section and when ready to buy any variety of Seed Wheat, write us for quotations on quantity wanted or send in your order and we will give full value at lowest seed prices. The following are standard market varieties that are known as the most profitable and best yielding for fall seeding.

#### PROHI WHEAT—Winter

Soft, white winter. Beardless, white chaff, medium long kernel. Has a characteristic angular shape to the kernel. Is a good yielder, suited to the well drained soils west of the Cascades.

Per lb 15c postpaid

#### FORTY FOLD—Winter

Forty Fold is referred to as "Gold Coin" in some sections. It is quite early, seed resembling Blue Stem. A favorite Winter variety in many localities, and in good demand for milling.

Per lb 15c postpaid

#### WHITE WINTER WHEAT

Soft, white Winter Wheat. Beardless with white chaff. Kernels short and plump. A good milling wheat suited to well drained lands west of the Cascade Mountains. Often confused with Rink Wheat, but grain and head are both larger and has yielded more under same conditions.

Per lb 15c postpaid

#### RINK—Winter

Similar to White Winter and often mistaken for it, but having a little shorter kernel and head. Yields well and has proven profitable on the well-drained rolling lands of the Willamette Valley.

Per lb 15c postpaid

**OWING TO THE FLUCTUATIONS IN WHEAT, WRITE FOR PRICES**

**TREAT YOUR SEED WHEAT**—The Formaldehyde treatment is recognized as the safest, most efficient method for prevention of smut and fungus in wheat. Use one pint to 40 gallons of water, preferably in an open vat where the grain can be immersed for 10 to 20 minutes. Be sure to skim off any floating smut balls, defective grains, etc. Pt \$1.00, qt \$1.75, gal \$6.50. Cannot mail

 ALL 100 POUND PRICES ARE F. O. B. SPOKANE

BEFORE ORDERING READ CAREFULLY INSTRUCTIONS AND CONDITIONS, PAGE ONE OF CATALOG



#### RED CHAFF—Winter

Beardless with red chaff and white kernels. Popular variety for western Oregon and Washington. This variety is often confused with Foise.

Per lb 15c postpaid

#### RED RUSSIAN—Winter

This is extensively grown in the Palouse country of Eastern Washington, where conditions are favorable. It grows vigorously, maturing late, and gives a heavy yield of both grain and foliage. It is a superior variety for choking out weeds, growing close and luxuriantly.

Per lb 15c postpaid

#### FOISE—Winter

Medium hard kernels. Beardless, chaff red. Heads slightly club shaped at tip. Specially adapted to the richer soils and prairie lands of the valleys and foothills west of the Cascades, and under favorable conditions yields heavily. Mills well.

Per lb 15c postpaid

#### TURKEY RED—Winter

A medium hard red bearded variety; a heavy yielder and does not shatter out easily. Is very hardy, doing well in cold climates, but in moist sections has a tendency to lodge badly. The grain is hard and of good quality. A good wheat for the dry sections east of the Cascades.

Per lb 15c postpaid



# BEEMAN

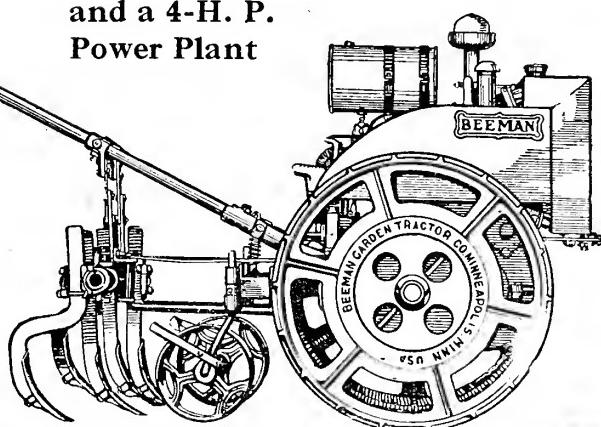
## GARDEN TRACTOR

3 years of  
careful  
tests

under working  
conditions have,  
perfected the

Beeman  
and guarantees  
the user against  
faulty design  
or construction

A One-Horse Motor Cultivator  
and a 4-H. P.  
Power Plant



Cultivates  
Harrows  
Plows

and delivers  
4-Horse Power  
for operating  
Farm  
Machinery



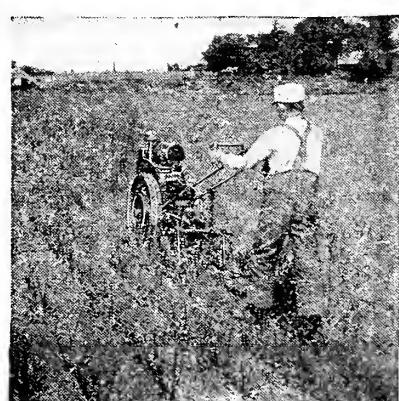
Plowing



One Row Cultivating, between the rows



A Quick, Clean Job



One Row Cultivating, astride the row

### Prices F. O. B. Spokane

BEEMAN TRACTOR with one row cultivating attachment as illustrated above. Complete with Magneto, Belt Pully and air cleaner.....\$380.00

### EXTRA ATTACHMENTS

4-inch Extension Rims for Bull Wheel. \$18.15

4-inch Mud Lugs.....\$6.00

Cultivating Tools for One-Row Cultivator Attachment.....\$25.50

7-inch Walking Plow.....\$16.50

Hitch for Plow.....\$9.25

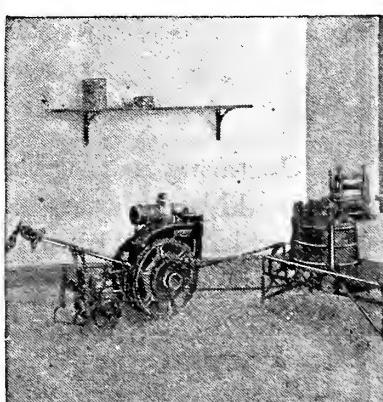
16-inch Castor Wheels, per pair..\$11.50

BEEMAN CATALOG and complete price list of tools and attachments mailed on request.

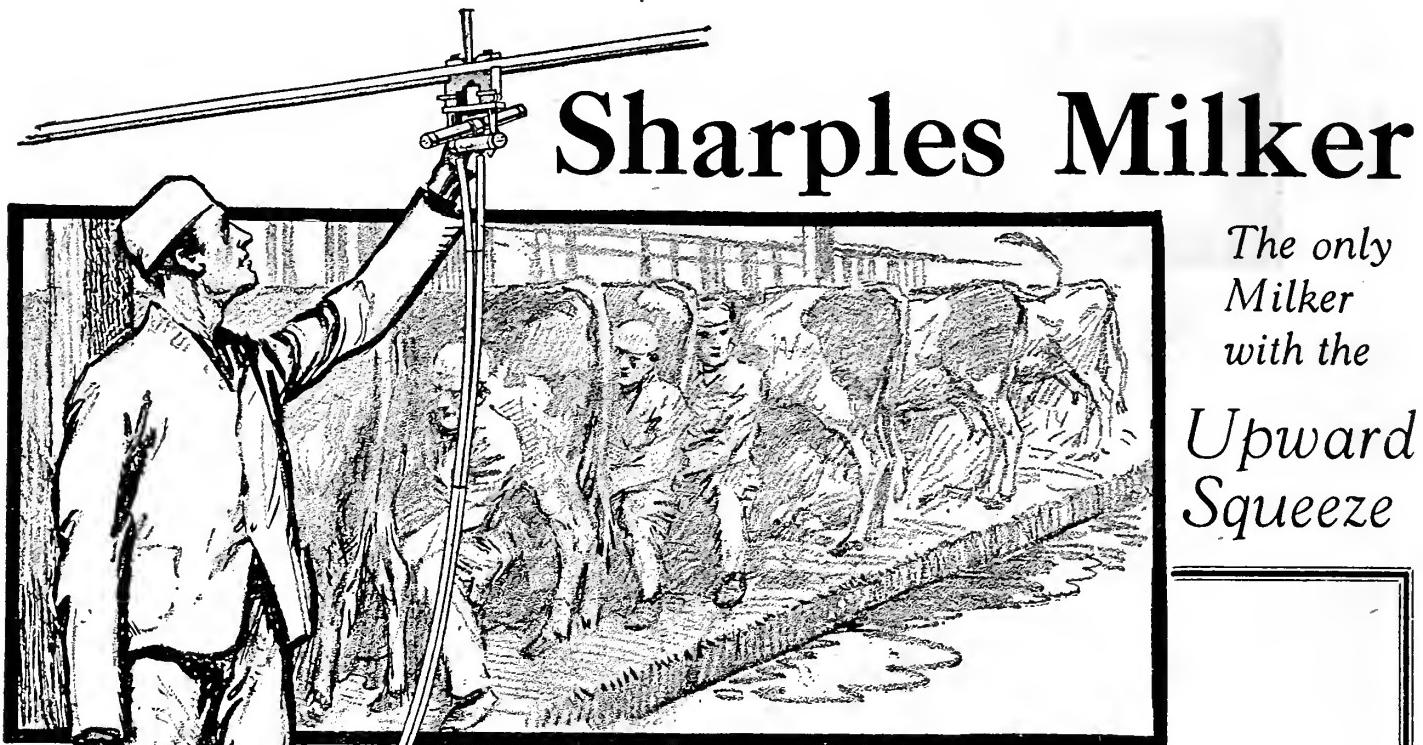


Close Work

No Gardener can afford to be without a BEEMAN



Running Washing Machine



The only  
Milker  
with the  
Upward  
Squeeze



## Why you should have a **SHARPLES MILKER**

No one task about a farm is quite so uninviting as *milking by hand*

the long line of cows twice a day the year around. The nightmare of the dairyman has been to get and keep good, reliable, efficient milkers who would stay right on the job twice a day three hundred and sixty-five days a year.

The SHARPLES MILKER fills all requirements for an efficient milker even better than the best hand milker. With it one man can do the work of four to six men and do it better in every respect.

The Sharples Milker is absolutely reliable; is cleanly beyond any comparison, excluding all possibility of dirt or even stable air; more gentle, more regular than the human hand; also more efficient in preserving soft, pliable, healthy teats and in quickly and thoroughly drawing the milk.

The Sharples Teat Cup, having the patented "Upward Squeeze" action, makes Sharples succeed where others fail; it is the *fastest milker known*. Hence the Sharples teat cup, combining both the healthful massage and the fast milking, will, on the average, get more milk per year from the cow than is possible by any other method of milking.

### BOYS GOOD OPERATORS

Operating a Sharples Milker entails very little labor and a boy, whose minor strength would be of little value for ordinary farm work, can take a man's place at the machine and leave the hired man free for the harvesting and other heavy work. Sharples Milkers are now being run successfully in many localities by wide-awake boys.

**Special illustrated Catalog and full information on request**

*Write or phone us about installation*

# SHARPLES CREAM SEPARATORS

**W**E are Northwestern Agents for the splendid products of the Sharples Co. Their new "Suction Feed" Separators are the only Separators that will skim clean at any speed and this feature alone guarantees one-fifth more cream than can be saved by any other separator.

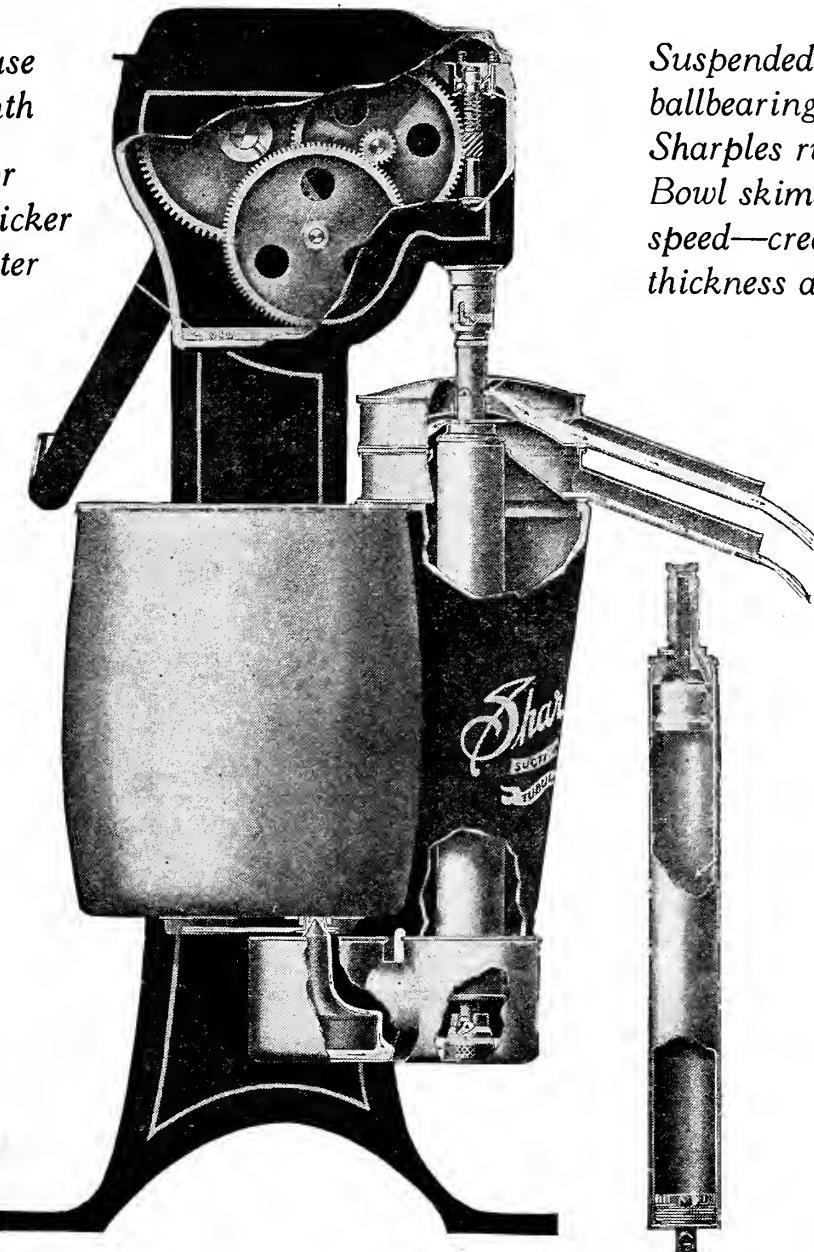
*Oil Tight Gear Case  
Oil Once a Month*

*The only Separator  
which skims quicker  
when turned faster*

*No need to watch  
your speed*

*"Suction Feed"  
sucks milk  
into Bowl  
in proportion  
to speed—result  
clean skim  
at any speed*

*The only  
Separator  
with knee low  
Supply Tank*



*Suspended single frictionless ballbearing—that's why the Sharples runs easier.  
Bowl skims clean at low speed—cream stays same thickness at any speed*

*Patented  
Tubular  
Bowl  
creates  
double  
skimming  
force.*

*The  
Simple  
Tube  
has no  
discs  
to wash*

**Y**OU ARE FAMILIAR with the well-known advantages of the regular Tubular Separator. You know the simple, tube-shaped bowl, with its enormous skimming force (double that of any other machine made)—no discs, easily cleaned, almost indestructible. You know the advantages of having all the gears solidly encased and running in oil. You know how the bowl hangs from a single ballbearing, spinning naturally, instead of being supported from below.

The "New Sharples" with all these advantages needs only its new features described here of which the most important is the

## SUCTION FEED

The milk is drawn up through the bottom of the bowl by the suction force of the revolving bowl—and the greater the speed the faster the separation—*But at all speeds the New Sharples Skims Clean*—and the cream is of a uniform density—just what you set the cream screw for—and—you get *all the cream at any speed*—fast or slow—and the faster you turn the greater the capacity. *This is true of no other separator.*

**DESCRIPTIVE CATALOG SENT FREE ON REQUEST.**

**PRICES F. O. B. SPOKANE—Less 5% for cash**

No. 1—Cap'ty 175 to 250 lbs. per hr... \$ 85.00	No. 4—Cap'ty 450 to 550 lbs. per hr... \$125.00
No. 2—Cap'ty 250 to 350 lbs. per hr... 95.00	No. 6—Cap'ty 650 to 750 lbs. per hr... 150.00
No. 3—Cap'ty 350 to 450 lbs. per hr... 110.00	No. 9—Cap'ty 850 to 950 lbs. per hr... 165.00

Write us in regard to repairing and repairs for all Sharples machines.

 There is a "Sharples" dealer in most every community. If you do not know him, write us

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Pullets and Hens range from \$2.50 each up. Cockerels \$5.00 up

SECURE YOUR MALE BIRD NOW—All standard varieties

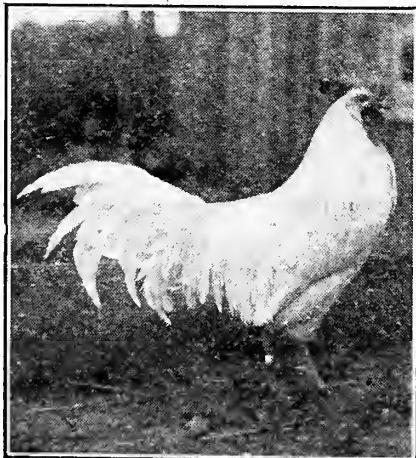
### DAY OLD CHICKS

From the finest laying strains, selected from O. A. C. Stock. Eggs from 221-egg hens mated to Cockerels from 300-egg hens. All chicks tested and guaranteed free from White Diarrhoea, O. A. C. standard test.

DELIVERIES begin February 15th. Order Early.

Use Diamond Scratch Food and Egg Mash.

 In most classes BETTER VALUES IN HIGHER SCORING and MORE VIGOROUS STOCK can be obtained here in the Northwest than you will secure from Eastern breeders, and at prices that are much more reasonable.



### BELGIAN HARES

#### Rufus Reds and Flemish Giants

##### Hemalians—The Fur-Bearing Kind

Fine sturdy stock of extra vigor and vitality. Full instructions for care and housing with every purchase.



Prices depend on grade of stock and special quotations will be made on request.

### PIGEONS

Clean, healthy stocks in standard and fancy breeds, can be furnished on short notice. The following list is ready for delivery.

Tumblers, pair.....	\$3.50
Carneaux, per pair.....	5.00
White Maltese, per pair.....	5.00
Squab Breeding Homers, pair.....	2.50-3.00
White Fantails, per pair.....	5.00

Prices are F. O. B. Spokane  
Order ahead. Always allow from 3 days to a week for us to make delivery.

 WRITE US for Fancy Breeds of Pigeons  
We can supply them at Right Prices

# NEW PARCEL POST RATES

**PARCEL POST RATES** are based on **DISTRICTS** and **ZONES**. THE DISTRICT includes the office where mailed and the rural routes therefrom.

A **DISTRICT RATE OF 5 CENTS** for the **first pound** and **1 cent** for **each additional** two pounds or fraction thereof up to **70 lbs.** (the district weight limit) is charged between points in this district.

**First and Second Zones** cover a radius of 200 miles from the point of mailing, having a weight limit of **70 pounds** and a rate of **5 cents** for the first pound and **1 cent** for each additional pound, or fraction thereof.

The **Third Zone** also has a weight limit of **70 pounds**.

A **weight limit of 50 pounds** applies to the **fourth, fifth, sixth, seventh and eighth zones** with rates increasing with the distance. See table.

**SIZE AND WEIGHT**—A Parcel Post package may weigh from 4 ounces to 70 pounds for the first, second and third zones—with a 50-pound weight limit for fourth to eighth zones, and **must not exceed in size 84 inches in length and girth combined**.

**Four Ounces** or less will be charged for at 1 cent per ounce or fraction thereof, **except** on Books, Seeds, Plants, Bulbs, etc., which are 1 cent for 2 ounces up to 8 ounces for any distance.

We have catalogued the weight of most items mailable by Parcel Post and by reference to the table you can always figure your postage.

Parcel Post Rates apply to <i>Seeds, Plants and Books</i> weighing over 8 ounces. Other fourth-class matter over 4 ozs. is charged at pound rates	First Pound or Fraction Thereof	Each Additional Pound or Fraction
Local or District Rate— <i>Spokane Office and Rural Routes therefrom</i> . . . . .	\$0.05	1/2 cent
1st Zone up to and including a radius of 200 miles from the point of mailing . . . . .	.05	\$0.01
2nd Zone . . . . .	.06	.02
3rd Zone . . . . .	.07	.04
4th Zone . . . . .	.08	.06
5th Zone . . . . .	.09	.08
6th Zone . . . . .	.11	.10
7th Zone . . . . .	.12	.12
8th Zone . . . . .		Weight Limit 50 lbs.

 **WAR TAX** On Packages requiring 25c Postage add 1c Tax; on 26c to 50c add 2c Tax; over 50c add 1c for every 25c or Fraction thereof. 

The 8th zone rate applies to **ALASKA, HAWAII and the PHILIPPINES** with **20 lb. weight limit**—To **MEXICO** with **11 lbs.; CUBA, 4 lbs. 6 oz.; PANAMA, 4 lbs. 6 oz.** Postage to Canada on 4th class packages of over 4 oz. and NOT EXCEEDING 4 lbs. 6 oz., go at 8th zone rate.

## PLANTING TABLES

### DISTANCES RECOMMENDED FOR PLANTING

Apples (Standard) . . . . .	25 to 40 ft. each way
Pears (Standard) . . . . .	20 to 35 ft. each way
Quince . . . . .	15 ft. each way
Peaches . . . . .	18 to 24 ft. each way
Plums . . . . .	15 to 20 ft. each way
Cherries . . . . .	25 to 40 ft. each way
Blackberries . . . . .	6 ft. x 4 ft.
Raspberries . . . . .	6 ft. x 3 ft.

Currants . . . . .	5 ft. x 3 ft.
Gooseberries . . . . .	5 ft. x 3 ft.
Strawberries (hills) . . . . .	36 in. x 18 in.
Strawberries (matted rows) . . . . .	48 in. x 12 in.
Grapes . . . . .	8 x 8 to 10 x 12 ft.
Asparagus . . . . .	4 x 1 ft.
Rhubarb . . . . .	4 x 2 ft.

### NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES In planting trees the greater distance should be given in the richer soils

DISTANCE APART	Method	Square Triangular
1 foot apart each way . . . . .	43,560	50,300
2 feet apart each way . . . . .	10,890	12,575
4 feet apart each way . . . . .	2,722	3,143
6 feet apart each way . . . . .	1,210	1,397
9 feet apart each way . . . . .	537	620
10 feet apart each way . . . . .	435	502

DISTANCE APART	Method	Square Triangular
15 feet apart each way . . . . .	193	223
16 feet apart each way . . . . .	170	196
20 feet apart each way . . . . .	108	125
25 feet apart each way . . . . .	70	81
30 feet apart each way . . . . .	48	55
40 feet apart each way . . . . .	27	31

**RULE SQUARE METHOD**—Multiply the distance in feet between the rows by the distance the plants are apart in the row; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

**RULE TRIANGULAR METHOD**—Divide the number required to the acre "square method" by the decimal .366. The result will be number of plants required to the acre by triangular planting.

*"Diamond Quality"*

# NURSERY STOCK

STRAWBERRY  
PLANTS

ASPARAGUS

OREGON GROWN  
Dug and packed as ordered

RIVERSIDE  
**GIANT**  
RHUBARB

6  
MONTHS OLD  
PLANT FROM  
ROOT  
DIVISION

Diamond **SEED** Quality  
COMPANY

